



Altronix<sup>®</sup>

PRODUCT GUIDE

YOUR **GLOBAL LEADER** IN  
POWER & DATA TRANSMISSION.

SECURITY | ACCESS | FIRE | SURVEILLANCE

Merging infrastructure with emerging technology.™

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Your global leader in power and data transmission solutions for professional Security, Surveillance, Access and Fire applications, Altronix designs and manufactures innovative solutions that integrate Fiber, Ethernet (CAT5/6), UTP and Coax infrastructure – while providing PoE for IP devices.

Our comprehensive line of power products and peripherals also offer remote network management capabilities to ensure your system is up and running at optimal levels. Altronix products feature the quality, reliability and unparalleled customer support that have been associated with us for over 35 years.

BACKED BY A LIFETIME WARRANTY

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## LINEAR POWER SUPPLY/CHARGERS

### *Power Supply Board*

#### **AL624**

- 1.2 amp @ 6VDC/12VDC or 0.75 amp @ 24VDC.
  - 12, 16 or 24VAC input  
(refer to Transformer Pg. 206).
- Board dimensions: 3"L x 2.5"W x 1.5"H

### *Power Supply with Enclosure*

#### **AL624E**

- 1.2 amp @ 6VDC/12VDC or 0.75 amp @ 24VDC.
  - 12, 16 or 24VAC input  
(refer to Transformer Pg. 206).
  - Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### **Features:**

- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- PTC battery protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes battery leads.

#### **AL62412C**

- 1.2 amp @ 12VDC.
- Kit includes: one (1) AL624, one (1) 12VDC/4AH rechargeable battery, one (1) 16.5VAC/20VA Class 2 Rated plug-in transformer.

#### **AL62412CX**

- 1.2 amp @ 12VDC.
- Kit includes: one (1) AL624, one (1) 12VDC/7AH rechargeable battery, one (1) 16.5VAC/20VA Class 2 Rated plug-in transformer.

### *Power Supply Kits*

#### **AL62424C**

- 0.75 amp @ 24VDC.
- Kit includes: one (1) AL624, two (2) 12VDC/4AH rechargeable batteries, one (1) 24VAC/40VA Class 2 Rated plug-in transformer.



## LINEAR POWER SUPPLY/CHARGERS

### *Power Supply Board*

#### **LPS3**

- 2.5 amp @ 12VDC or 24VDC.
  - 16 or 24VAC input  
(refer to Transformer Pg. 206).
- Board dimensions: 4"L x 6.5"W x 2"H

### *Power Supply with Enclosure*

#### **LPS3C12X**

- 2.5 amp @ 12VDC.
  - Includes transformer and cam lock.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### *Power Supply with Enclosure*

#### **LPS3C24X**

- 2.5 amp @ 24VDC.
  - Includes transformer and cam lock.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

#### **LPS5C12X**

- 3.5 amp @ 12VDC.
  - AC fail and low battery supervision.
  - Includes transformer and cam lock.
  - Fits two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **LPS5C24X**

- 3.5 amp @ 24VDC.
  - AC fail and low battery supervision.
  - Includes transformer and cam lock.
  - Fits two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

### *Power Supply with Outdoor Enclosure*

#### **LPS3WP12**

- 2.5 amp @ 12VDC.
  - NEMA 4/IP65 Rated enclosure for outdoor use.
  - Includes transformer.
- Enclosure dimensions: 12"H x 8"W x 6"D

#### **LPS3WP24**

- 2.5 amp @ 24VDC.
  - NEMA 4/IP65 Rated enclosure for outdoor use.
  - Includes transformer.
- Enclosure dimensions: 12"H x 8"W x 6"D

*PMK1 - Pole Mount Kit available,  
see pages 183, 209*

### **Features:**

- 115VAC 50/60Hz input (excludes LPS3).
- 5 amp on demand (LPS5C12X and LPS5C24X - 8 amp on demand).
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Fused battery protection (PTC available).
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators
- Includes battery leads.

## SUPERVISED LINEAR POWER SUPPLY/CHARGERS

**LPS3AC**

- 2.5 amp @ 12VDC or 24VDC.
- 5 amp on demand.
- AC fail supervision.
- Fused battery protection (PTC available).
- 16 or 24VAC input

*(refer to Transformer Pg. 206).*

Board dimensions:

4"L x 6.5"W x 2"H

**PM212**

- 1 amp @ 12VDC.
- AC fail supervision.
- PTC battery protection.
- AC fail and low battery supervision.
- 16VAC input

*(refer to Transformer Pg. 206).*

Board dimensions:

5.25"L x 2.75"W x 1.5"H

**PM224**

- 0.75 amp @ 24VDC.
- AC fail supervision.
- PTC battery protection.
- AC fail and low battery supervision.
- 24VAC input

*(refer to Transformer Pg. 206).*

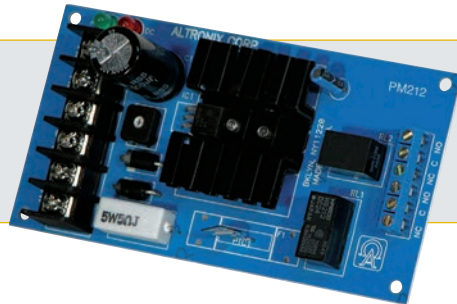
Board dimensions:

5.25"L x 2.75"W x 1.5"H

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**Features:**

- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes battery leads.



PM212

## SWITCH MODE POWER SUPPLY/CHARGERS

### *Power Supply Board*

#### **SMP3**

- 2.5 amp @ 6VDC, 12VDC or 24VDC.
- 12 to 28VAC input  
(refer to Transformer Pg. 206).

Board dimensions: 3.5"L x 3"W x 2"H

### *Power Supply with Enclosure*

#### **SMP3E**

- 2.5 amp @ 6VDC, 12VDC or 24VDC.
- 12 to 28VAC input  
(refer to Transformer Pg. 206).
- Fits one (1) 12VDC/7AH or  
two (2) 12VDC/4AH batteries.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### **SMP312C**

- 2.5 amp @ 12VDC.
- Kit includes: one (1) SMP3,  
one (1) 12VDC/4AH rechargeable battery &  
one (1) 16.5VAC/40VA Class 2 Rated  
plug-in transformer.

### *Power Supply Kit*

#### **SMP312CX**

- 2.5 amp @ 12VDC.
- Kit includes one (1) SMP3,  
one (1) 12VDC/7AH rechargeable battery &  
one (1) 16.5VAC/40VA Class 2 Rated  
plug-in transformer.

#### **Features:**

- CE Approved.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes battery leads.



## SWITCH MODE POWER SUPPLY/CHARGERS

*Power Supply Board***SMP5**

- 4 amp @ 6VDC, 12VDC or 24VDC.
- 12 to 28VAC input  
(refer to Transformer Pg. 206).

Board dimensions: 3.5"L x 2.75"W x 1.75"H

**SMP7**

- 6 amp @ 12VDC or 24VDC.
- 16 to 28VAC input  
(refer to Transformer Pg. 206).

Board dimensions: 7"L x 4.25"W x 1.75"H

**SMP10**

- 10 amp @ 12VDC or 24VDC.
- 16 to 28VAC input  
(refer to Transformer Pg. 206).

Board dimensions: 7"L x 4.25"W x 2.3"H

*Power Supply with Enclosure***SMP7CTX**

- 115VAC 50/60Hz. input
- 6 amp @ 12VDC or 24VDC.
- Includes transformer and cam lock.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

**SMP10C12X**

- 115VAC 50/60Hz. input
- 10 amp @ 12VDC.
- Includes transformer and cam lock.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

**SMP10C24X**

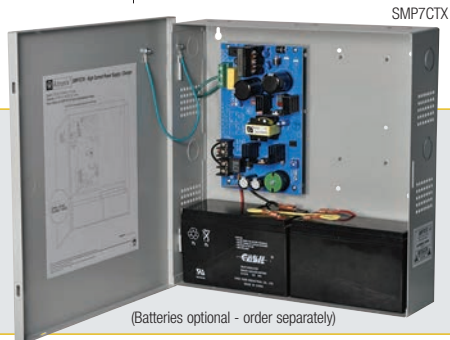
- 115VAC 50/60Hz. input
- 10 amp @ 24VDC.
- Includes transformer and cam lock.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

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**Features:**

- CE Approved.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup (excludes SMP5).
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes battery leads.



(Batteries optional - order separately)

## SUPERVISED SWITCH MODE POWER SUPPLY/CHARGERS

### SMP3PM

- 2.5 amp @ 12VDC or 24VDC.
- AC fail and low battery supervision.
- 16 to 28VAC input

*(refer to Transformer Pg. 206).*

Board dimensions: 7"L x 4"W x 1.5"H

### SMP5PM

- 4 amp @ 12VDC or 24VDC.
- AC fail and low battery supervision.
- 24 or 28VAC input

*(refer to Transformer Pg. 206).*

Board dimensions: 7"L x 4"W x 1.55"H

### SMP7PM

- 6 amp @ 12VDC or 24VDC.
- AC fail, low battery and battery presence supervision.
- 24 or 28VAC input

*(refer to Transformer Pg. 206).*

Board dimensions: 7"L x 4"W x 1.5"H

### SMP10PM

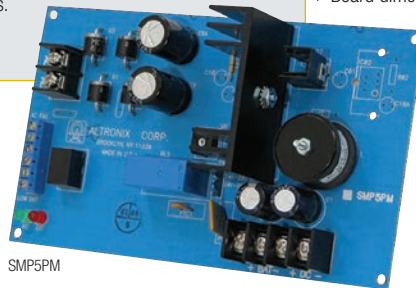
- 10 amp @ 12VDC or 24VDC.
- AC fail, low battery and battery presence supervision.
- 24 or 28VAC input

*(refer to Transformer Pg. 206).*

Board dimensions: 7"L x 4"W x 2"H

### Features:

- CE Approved.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



SMP5PM

## SUPERVISED SWITCH MODE POWER SUPPLY/CHARGERS WITH ENCLOSURE

**SMP3PMCTX**

- Universal 115/230VAC input.
- 2.5 amp @ 12VDC or 24VDC.
- AC fail and low battery supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**SMP5PMCTX**

- Universal 115/230VAC input.
- 4 amp @ 12VDC or 24VDC.
- AC fail and low battery supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**SMP7PMCTX**

- 115VAC input.
- 6 amp @ 12VDC or 24VDC.
- AC fail and low battery supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**SMP10PMC12X**

- 115VAC input.
- 10 amp @ 12VDC.
- AC fail and low battery supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**SMP10PMC24X**

- 115VAC input.
- 10 amp @ 24VDC.
- AC fail and low battery supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

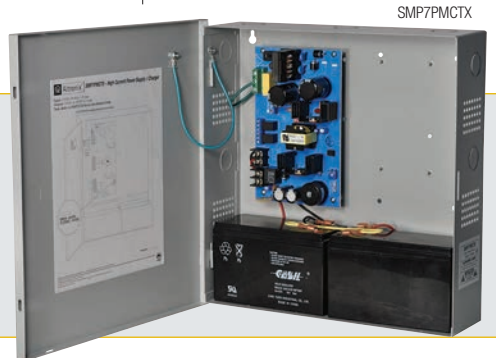
13.5"H x 13"W x 3.25"D

*Units available with power distribution modules installed - four (4), eight (8) or sixteen (16) fuse or PTC protected outputs.*

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**Features:**

- CE Approved.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.





## SUPERVISED OFF-LINE SWITCHING POWER SUPPLY/CHARGERS

**OLS20**

- 115VAC input.
  - 1 amp @ 12VDC or 0.5 amp @ 24VDC.
  - This model is not supervised.
- Board dimensions: 3.1"L x 2.6"W x 1.3"H

**OLS75**

- Universal 115/230VAC input.
  - 2.5 amp @ 12VDC or 24VDC.
- Board dimensions:  
7.5"L x 4.125"W x 2.125"H

**OLS120**

- Universal 115/230VAC input.
  - 4 amp @ 12VDC or 24VDC.
- Board dimensions: 7.25"L x 4.5"W x 1.75"H

**OLS180**

- CE Approved.
  - 115VAC input.
  - 6 amp @ 12VDC or 24VDC.
- Board dimensions: 8.1"L x 4.1"W x 2.125"H

**OLS180-220**

- OLS180 with 220VAC input.

**OLS200**

- CE Approved.
  - 115VAC input.
  - 10 amp @ 12VDC.
- Board dimensions: 7.25"L x 4.5"W x 2"H

**OLS200-220**

- OLS200 with 220VAC input.

**OLS250**

- CE Approved.
  - 115VAC input.
  - 10 amp @ 24VDC.
- Board dimensions: 7.25"L x 4.5"W x 2"H

**OLS250-220**

- OLS250 with 220VAC input.

**OLS350**

- CE Approved.
  - 115VAC input.
  - 12 amp @ 24VDC.
- Board dimensions: 7.5"L x 4.5"W x 1.75"H

**OLS350-220**

- OLS350 with 220VAC input.



OLS250

**Features:**

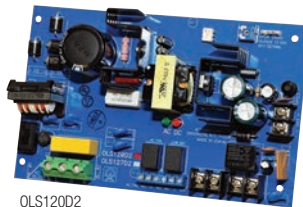
- AC fail and low battery supervision (excludes OLS20).
- Built-in transformer.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Zero voltage drop upon transfer to battery backup.
- AC input and DC output LED indicators.
- Includes battery leads.

## DUAL OUTPUT OFF-LINE SWITCHING POWER SUPPLY/CHARGERS

### OLS120D2

- Universal 115/230VAC input.
- Output Options:
  - 24VDC @ 3 amp [DC1]
  - 12VDC @ 1 amp [DC2]
  - DC1: 12/24VDC @ 4 amp (if DC2 is not used)

Board dimensions: 7.25"L x 4.5"W x 1.75"H



OLS120D2

### OLS120D2X

- OLS120D2 in enclosure.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D



OLS120D2X

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### Features:

- AC fail and low battery supervision.
- Built-in transformer.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Zero voltage drop upon transfer to battery backup.
- AC input and DC output LED indicators.
- Includes battery leads.

## POWER CONVERSION MODULES

### *Voltage Regulators*

#### VR1T

- Converts a 24VAC or 24VDC input into a regulated 12VDC output.
- 1 amp of continuous supply current output.
- Spring terminal blocks.

#### VR1TM5

- Converts a 24VAC or 24VDC input into a regulated 5VDC output.
- 1 amp of continuous supply current output.
- Spring terminal blocks.

#### VR2T

- Converts a 24VAC or 24VDC input into a regulated 12VDC output.
- 0.5 amp of continuous supply current output.
- Spring terminal blocks.

#### VR3T

- Converts a 24VDC input into a regulated 12VDC output.
- 2 amp of continuous supply current output.
- Screw terminal block (removable).

#### Features:

- CE Approved.
- Built-in overload protection.
- Electronically filtered and regulated output.
- Power LED indicator.
- Compensates for voltage drop due to long wire runs.
- High impact insulated housing.
- Compact design allows for integration in a wide range of camera housings.



VR1T



#### VR4T

- Converts a 24VDC input into a regulated 12VDC output.
- 3 amp of continuous supply current output.
- Screw terminal block (removable).

#### VR5T

- Converts a 24VAC or 24VDC input into a regulated 12VDC output.
- 3 amp of continuous supply current output.
- Spring terminal blocks.
- Screw mounting.

#### VR5BT

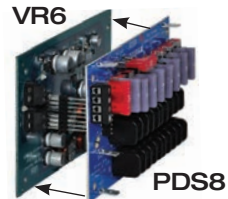
VR5T w/Built-in charger for sealed lead acid or gel type batteries.

#### VR6

- Converts a 24VDC input into a regulated 5VDC or 12VDC output.
- Input: 24VDC @ 1.75A  
– Output: 5VDC @ 6A
- Input: 24VDC @ 3.5A  
– Output: 12VDC @ 6A
- Surge suppression.
- VR6 reduces the cost of adding another power supply.
- Stackable mounting configuration saves valuable enclosure space.
- ACMS8/PDS8 are designed to piggyback onto the VR6 making an instant plug-in connection via common standoffs.



VR5BT



VR6

PDS8

## POWER CONVERSION MODULES

*Voltage Boosters***VB1**

- Converts a 12VDC-24VDC input into a regulated 24VDC output.
- 0.75 amp of continuous supply current output.
- Modular connector/cable assembly.

**VB1T**

- Converts a 12VDC-24VDC input into a regulated 24VDC output.
- 0.75 amp of continuous supply current output.
- Screw terminals.



VB1T

**Features:**

- CE Approved.
- Built-in overload protection.
- Electronically filtered and regulated output.
- Power LED indicator.
- Compensates for voltage drop due to long wire runs.
- High impact insulated housing.
- Compact design allows for integration in a wide range of camera housings.

**Voltage Booster applications:**

- Power for 24VDC Access Control devices from a 12VDC power source.

**VB6**

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Converts a 24VDC input into a regulated 56VDC output.
- 56VDC at 30W total power.
- Facilitates connection for up to two (2) devices.
- Screw terminals.



## SIREN DRIVERS

### ALSD1

- 6VDC or 12VDC operation.
- Parallel or series speaker wiring:
  - 113 db @ 10ft. @ 6 volts - 8 Ohms
  - 115 db @ 10ft. @ 6 volts - 4 Ohms
  - 116 db @ 10ft. @ 12 volts - 8 Ohms
  - 120 db @ 10ft. @ 12 volts - 4 Ohms
- Current draw range from .5 amp to 1.8 amp based on speaker resistance and supply voltage.

Board dimensions: 2.75"L x 1.75"W x 1.1"H

### ALSD2

- 6VDC or 12VDC operation.
- Parallel or series speaker wiring:
  - 103 db @ 10 ft. @ 6 volts - 8 Ohms
  - 105 db @ 10 ft. @ 6 volts - 4 Ohms
  - 106 db @ 10 ft. @ 12 volts - 8 Ohms
  - 111 db @ 10 ft. @ 12 volts - 4 Ohms
- Current draw range from .3 amp to 1.22 amp based on speaker resistance and supply voltage.

Board dimensions: 1.75"L x 2.75"W x 1.1"H



ALSD1

### Features:

- Two (2) channel operation (steady or yelp).
- High output.
- Very low current draw.

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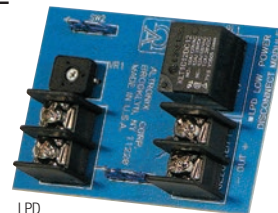
## LOW POWER DISCONNECT MODULE

### LPD

- Low voltage cutoff:
  - 12VDC - 10.5 volts (+/- 0.3 volts)
  - 24VDC - 20 volts (+/- 0.3 volts).

- Restore voltage threshold:
  - 12VDC - 11.5 volts (+/- 0.3 volts)
  - 24VDC - 23 volts (+/- 0.3 volts).
- 12VDC or 24VDC input.

Board dimensions: 2.75"L x 2.2"W x 1"H



LPD

### LPD applications:

- Security, access control, etc.

## SWITCH MODE POWER SUPPLY/CHARGERS

**AL125ULB**

- UL Recognized for Access.
- 1 amp @ 12VDC or 24VDC.
- Two (2) Class 2 Rated power-limited outputs.
  - One (1) Fail-Safe/Fail-Secure lock output (switched).
  - One (1) auxiliary power output (unswitched).
- Access Control trigger input.
- Supervised Fire Alarm Disconnect (latching with reset or non-latching).
- AC fail supervision.
- 24VAC input (*transformer required*).

Board dimensions: 3.1"L x 3.9"W x 1.4"H

18 **AL175ULB**

- UL Recognized for Access.
- 1.75 amp @ 12VDC or 24VDC.
- Two (2) Class 2 Rated power-limited outputs.
  - One (1) Fail-Safe/Fail-Secure lock output (switched).
  - One (1) auxiliary power output (unswitched).
- Dry trigger Fire Alarm disconnect/Access Control input.
- Aux. relay output.
- AC fail supervision.
- 28VAC input (*transformer required*).

Board dimensions: 3.1"L x 5.8"W x 1.5"H

**AL176ULB**

- UL Recognized for Access.
- 1.75 amp @ 12VDC or 24VDC.
- Class 2 Rated power-limited output.
- AC fail and low battery supervision.
- 28VAC input.

Board dimensions: 3.1"L x 5.3"W x 1.4"H

**AL400ULB**

- UL Recognized for Access, Burglar Alarm, Nurse Call and Fire.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Class 2 Rated power-limited output.
- AC fail, and low battery supervision.
- 24 or 28VAC input (*transformer required*).

Board dimensions: 4.1"L x 7.1"W x 1.75"H

**AL600ULB**

- UL Recognized for Access and Fire.
- 6 amp @ 12VDC or 24VDC.
- non power-limited output.
- AC fail, low battery and battery presence supervision.
- Two (2) 28VAC inputs (*transformer required*).

Board dimensions:  
4.3"L x 7.1"W x 2.3"H

**Features:**

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes battery leads.



AL175ULB

## OFF-LINE SWITCHING POWER SUPPLY/CHARGERS

### AL300ULXB2

- UL Recognized for Access, Burglar Alarms, Nurse Call and Fire.
  - 2.5 amp @ 12VDC or 24VDC.
  - Class 2 Rated power-limited output.
- Board dimensions: 4.5"L x 7.1"W x 1.44"H

### AL400ULXB2

- UL Listed Sub-Assembly in the U.S. for Access, Burglar Alarm, Nurse Call and Fire, UL Listed Sub-Assembly in Canada for Access.
  - 4 amp @ 12VDC or 3 amp @ 24VDC.
  - Class 2 Rated power-limited output.
- Board dimensions: 4.5"L x 7.1"W x 1.44"H

### AL600ULXB

- UL Listed Sub-Assembly in the U.S. for Access, Burglar Alarm and Fire, UL Listed Sub-Assembly in Canada for Access.
  - 6 amp @ 12VDC or 24VDC.
  - Non power-limited output.
- Board dimensions: 4.5"L x 7.8"W x 2.15"H

### AL1012ULXB

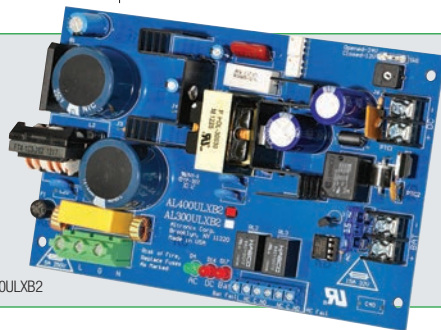
- UL Listed Sub-Assembly in the U.S. and Canada for Access.
  - 10 amp @ 12VDC.
  - Non power-limited output.
- Board dimensions: 5.1"L x 7.25"W x 1.75"H

### AL1024ULXB2

- UL Listed Sub-Assembly in the U.S. for Access, Burglar Alarm and Fire, UL Listed Sub-Assembly in Canada for Access.
  - Access Control Applications:  
10 amp @ 24VDC
  - Fire Alarm Applications:  
8 amp @ 24VDC continuous with 10 amp during alarm.
  - Non power-limited output.
- Board dimensions: 4.5"L x 8.25"W x 1.5"H

### Features:

- 115VAC 60Hz. input.
- Built-in transformer.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes battery leads.



AL400ULXB2



## ENHANCED POWER SUPPLY/CHARGERS

### eFlow3NB

- UL Recognized in the U.S. and Canada for Access Control and Burglar. UL Recognized in the U.S. for Fire.
  - Two (2) 12VDC or 24VDC Class 2 Rated power-limited outputs:
    - Switched main (affected by fire alarm)
    - Unswitched aux. (continuous power)
  - 2 amp total supply current.
- Board dimensions: 4.63"L x 7.5"W x 1.6"H

### eFlow4NB

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
  - Two (2) 12VDC or 24VDC Class 2 Rated power-limited outputs:
    - Switched main (affected by fire alarm)
    - Unswitched aux. (continuous power)
  - 4 amp total supply current.
- Board dimensions: 4.63"L x 7.5"W x 1.6"H

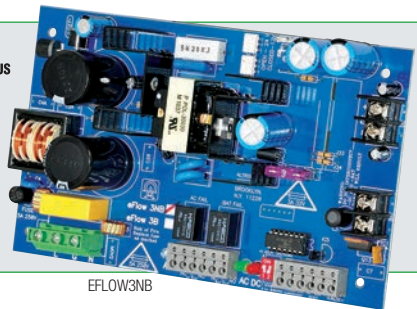
### eFlow6NB

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
  - Two (2) 12VDC or 24VDC power outputs
    - Switched main (affected by fire alarm)
    - Unswitched aux. (continuous power)
  - 6 amp total supply current.
- Board dimensions: 4.63"L x 7.5"W x 1.6"H

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### Features:

- 120VAC 60Hz. input.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection.
- Supervised Fire Alarm disconnect (latching or non-latching).
- Low power cutoff - protects stand-by batteries from deep discharge.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.



EFLOW3NB

\* Above models available mounted in enclosure - refer to pgs. 98-104 for further info.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)





## ENHANCED POWER SUPPLY/CHARGERS

### eFlow102NB

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control.
- Two (2) 12VDC power outputs
  - Switched main (affected by fire alarm)
  - Unswitched aux. (continuous power)
- 10 amp total supply current.

Board dimensions: 4.63"L x 7.625"W x 1.875"H

### eFlow104NB

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
- Two (2) 24VDC power outputs
  - Switched main (affected by fire alarm)
  - Unswitched aux. (continuous power)
- 10 amp total supply current.

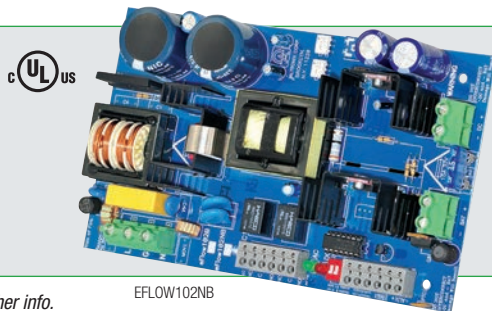
Board dimensions: 4.63"L x 8.25"W x 1.6"H

### Features:

- 120VAC 60Hz. input.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection.
- Supervised Fire Alarm disconnect (latching or non-latching).
- Low power cutoff - protects stand-by batteries from deep discharge.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.

\* Above models available mounted in enclosure - refer to pgs. 98-104 for further info.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



EFLOW102NB

## SINGLE OUTPUT POWER SUPPLY/CHARGERS

**AL100UL**

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms.
- 0.75 amp @ 12VDC.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- Plug-in transformer required.\*

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**AL201UL**

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms.
- 1.75 amp @ 12VDC.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- 24VAC input (transformer required)

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**AL176UL**

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms.
- 115VAC 60Hz. input.
- 1.75 amp @ 12VDC or 24VDC.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**AL176ULX**

- AL176UL with larger enclosure and cam lock.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D



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**Features:**

- Class 2 Rated power-limited output.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC fail and low battery supervision.
- AC input and DC output LED indicators.
- Includes battery leads.



AL201UL

## 1012 SERIES POWER SUPPLY/CHARGERS

### Single Output

#### AL1012ULX

- UL Listed in the U.S. and Canada for Access Control.
- 10 amp @ 12VDC.
- Single non power-limited output.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

### Four (4) Output

#### AL1012ULXPD4

- UL Listed in the U.S. and Canada for Access Control.
- 10 amp @ 12VDC.
- Four (4) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

#### AL1012ULXPD4CB

- AL1012ULXPD4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

### Eight (8) Output

#### AL1012ULXPD8

- UL Listed in the U.S. and Canada for Access Control.
- 10 amp @ 12VDC.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

#### AL1012ULXPD8CB

- AL1012ULXPD8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

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### Features:

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



AL1012ULXPD8CB

## 1012 SERIES POWER SUPPLY/CHARGERS

*Sixteen (16) Output*

### AL1012ULXPD16

- UL Listed in the U.S. and Canada for Access Control.
- 10 amp @ 12VDC.
- Sixteen (16) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL1012ULXPD16CB

- AL1012ULXPD16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

#### Features:

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



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AL1012ULXPD16CB

(Batteries optional - order separately)

## TWO (2) OUTPUT SWITCHING POWER SUPPLY/CHARGERS

### AL125UL

- UL Listed in the U.S. and Canada for Access Control.
- 1 amp @ 12VDC or 24VDC.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.

Enclosure dimensions:  
8.5"H x 7.5"W x 3.5"D

### AL125ULX

- AL125UL with larger enclosure and cam lock.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D



AL125UL

### AL125ULE

- UL Listed in the U.S. and Canada for Access Control.
- 1 amp @ 12VDC or 24VDC.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- 24VAC input (*refer to Transformer Pgs. 172*).

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### AL125ULP

- UL Listed in the U.S. and Canada for Access Control.
- 1 amp @ 12VDC or .5 amp @ 24VDC.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- Plug-in transformer (24VAC/40VA) included.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### Features:

- 115VAC 60Hz. input (except for AL125ULE).
- 12VDC or 24VDC Class 2 Rated power-limited outputs.
  - One (1) Fail-Safe/Fail-Secure lock output (switched).
  - One (1) auxiliary power output (unswitched).
- Supervised Fire Alarm Disconnect (latching with reset or non-latching).
- Access Control trigger input.
- Filtered and electronically regulated output(s).

- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC fail supervision.
- AC input LED indicator on the front panel.
- Includes battery leads.



## TWO (2) OUTPUT SWITCHING POWER SUPPLY/CHARGERS

### AL175UL

- UL Listed in the U.S. and Canada for Access Control. CSFM Approved.
  - 1.75 amp @ 12VDC or 24VDC.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### AL175ULX

- AL175UL with larger enclosure and cam lock.
  - Fits two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### Features:

- 115VAC 60Hz. input.
- 12VDC or 24VDC Class 2 Rated PTC protected power-limited outputs:
  - One (1) Fail-Safe/Fail-Secure lock output (switched).
  - One (1) auxiliary power output (unswitched).
- Dry trigger Fire Alarm disconnect/Access Control input.
- Aux. relay output.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC fail supervision.
- AC input and DC output LED indicators.
- Includes battery leads.

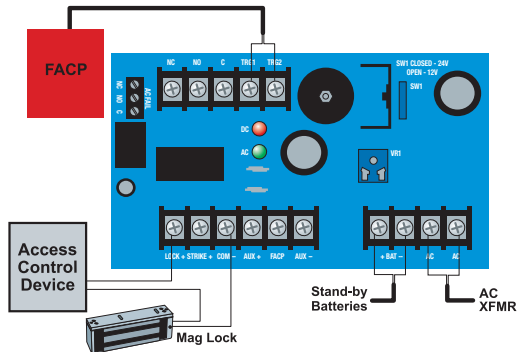


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### AL175ULX2

- UL Listed in the U.S. and Canada for Access Control. CSFM Approved.
  - 1.75 amp @ 12VDC or 24VDC.
  - Field selectable 12VDC (Range 10VDC - 13VDC) or 24VDC (Range 24VDC - 27VDC) outputs.
  - External reset switch and power LED.
  - Latching fire alarm tie-in with manual reset.
  - Fits two (2) 12VDC/12AH batteries.
  - Includes cam lock.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

#### AL175ULB application:



## POWER SUPPLY/CHARGERS WITH FIRE ALARM INTERFACE

### *Five (5) Output*

#### **AL1012ULM**

- UL Listed in the U.S. and Canada for Access Control.
- 10 amp @ 12VDC.
- Five (5) Class 2 Rated PTC protected power-limited outputs.
- Provides power for Fail-Safe and/or Fail-Secure locking devices.
- Fire Alarm Panel or Access Control System trigger inputs.  
[NO] or [NC] supervised trigger input and/or polarity reversal trigger.
- Red LED's indicate condition of each power output.
- Power & input trigger LED's.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.



- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery, and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D



(Batteries optional - order separately)

## ACCESS POWER CONTROLLERS

*Four (4) Output***ACM4**

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control, UL Listed Sub-Assembly in Canada for Burglar Alarms.
  - Four (4) fuse protected outputs.
- Board dimensions: 5.125"L x 3.625"W x 1.25"H

**ACM4E**

- UL Listed in the U.S. and Canada for Access Control, UL Listed in Canada for Burglar. CSFM Approved.
  - Four (4) fuse protected outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**ACM4CB**

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control, UL Listed Sub-Assembly in Canada for Burglar Alarms.
  - Four (4) PTC protected outputs.
- Board dimensions: 5.125"L x 3.625"W x 1.25"H

**ACM4CBE**

- UL Listed in the U.S. and Canada for Access Control, UL Listed in Canada for Burglar. CSFM Approved.
  - Four (4) PTC protected outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

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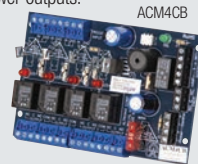
**Features:**

- 12 to 24 volt AC or DC operation (setting not required).
- Power supply input options:
  - a) One (1) common power input (board and lock power).
  - b) Two (2) isolated power inputs (one (1) for board power and one (1) for lock/hardware power).
- Four (4) Access Control System trigger inputs.
- Input options:
  - a) Four (4) normally open [NO] inputs.
  - b) Four (4) open collector inputs.
  - c) Any combination of the above.
- Four (4) independently controlled fuse protected outputs.
- Output options (ACM4 and ACM4E):
  - a) Four (4) Fail-Safe and/or Fail-Secure power outputs.
  - b) Four (4) form "C" 5 amp rated relay outputs
  - c) Any combination of the above.



- Output options (ACM4CB and ACM4CBE):
  - a) Four (4) Fail-Safe and/or Fail-Secure power outputs.
- Four (4) auxiliary power outputs (unswitched).
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the four (4) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.
- Alarm output relay indicates that FACP input is triggered.
- Green LED indicates FACP disconnect is triggered.

\* Units will operate from 12 volts to 24 volts AC or DC with a total load of 10 amp max. Output voltage is equal to the input voltage.





## ACCESS POWER CONTROLLERS

### *Eight (8) Output*

#### ACM8

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control, UL Listed Sub-Assembly in Canada for Burglar Alarms.
- Eight (8) fuse protected outputs.

Board dimensions: 4.5"L x 8"W x 1.25"H

#### ACM8E

- UL Listed in the U.S. and Canada for Access Control, UL Listed in Canada for Burglar. CSFM Approved.
- Eight (8) fuse protected outputs.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

#### ACM8CB

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control, UL Listed Sub-Assembly in Canada for Burglar Alarms.
- Eight (8) PTC protected outputs.

Board dimensions: 4.5"L x 8"W x 1.25"H

#### ACM8CBE

- UL Listed in the U.S. and Canada for Access Control, UL Listed in Canada for Burglar. CSFM Approved.
- Eight (8) Class 2 Rated PTC protected power-limited outputs.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

#### Features:

- 12 to 24 volt AC or DC operation (setting not required).
- Power supply input options:
  - a) One (1) common power input (board and lock power).
  - b) Two (2) isolated power inputs (one (1) for board power and one (1) for lock/hardware power).
- Eight (8) Access Control System trigger inputs.
- Input options:
  - a) Eight (8) normally open [NO] inputs.
  - b) Eight (8) open collector inputs.
  - c) Any combination of the above.
- Eight (8) independently controlled fuse protected outputs.
- Output options (ACM8 and ACM8E):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
  - b) Eight (8) form "C" 5 amp rated relay outputs
  - c) Any combination of the above.



- Output options (ACM8CB and ACM8CBE):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
  - b) Eight (8) auxiliary power outputs (unswitched).
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.
- Alarm output relay indicates that FACP input is triggered.
- Green LED indicates FACP disconnect is triggered.

\* Units will operate from 12 volts to 24 volts AC or DC with a total load of 10 amp max. Output voltage is equal to the input voltage.



## ACCESS POWER CONTROLLERS WITH POWER SUPPLY/CHARGERS

### AL400ULACM

- UL Listed in the U.S. and Canada for Access Control and CSFM Approved.
  - 4 amp @ 12VDC or 3 amp @ 24VDC.
  - Eight (8) Class 2 Rated fuse protected power-limited outputs.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL400ULACMCB

- AL400ULACM with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### 30 AL600ULACM

- UL Listed in the U.S. and Canada for Access Control and CSFM Approved.
  - 6 amp @ 12VDC or 24VDC.
  - Eight (8) fuse protected non power limited outputs.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL600ULACMCB

- AL600ULACM with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### AL1012ULACM

- UL Listed in the U.S. and Canada for Access Control.
  - 10 amp @ 12VDC.
  - Eight (8) fuse protected non power-limited outputs.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL1012ULACMCB

- AL1012ULACM with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### AL1024ULACM

- UL Listed in the U.S. and Canada for Access Control.
  - 10 amp @ 24VDC.
  - Eight (8) fuse protected non power-limited outputs.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL1024ULACMCB

- AL1024ULACM with Eight (8) Class 2 Rated PTC protected power-limited outputs.

\* All models available in larger enclosure (add suffix "J" to model number, Ex. AL1024ULACMCBJ). These products are UL Listed only.



## ACCESS POWER CONTROLLERS WITH POWER SUPPLY/CHARGERS

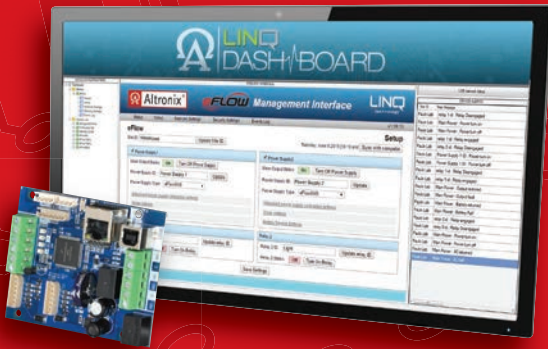
### ACM Series Features:

- 12 or 24 AC or DC operation (setting not required).
- Power supply input options:
  - a) One (1) common power input (board and lock power).
  - b) Two (2) isolated power inputs (one (1) for board power and one (1) for lock/hardware power).
- Eight (8) Access Control System trigger inputs.
- Input options:
  - a) Eight (8) normally open [NO] inputs.
  - b) Eight (8) open collector inputs.
  - c) Any combination of the above.
- Eight (8) independently controlled fuse protected outputs.
- Output options (models with fuse protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
  - b) Eight (8) form "C" 5 amp rated relay outputs
  - c) Any combination of the above.
- Output options (models with PTC protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
- Eight (8) auxiliary power outputs (unswitched).
- ACM8 main fuse is rated @ 10 amp.
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.

- Alarm output relay indicates that FACP input is triggered.
- Green LED indicates FACP disconnect is triggered.
- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



Control, Monitor &  
Report Power...  
from anywhere over  
the network.



**LINQ**

Network Power Management & Communication

# LINQ<sup>TM</sup> NETWORK POWER DISTRIBUTION MODULES

*Upgrade, control and communicate with virtually any low voltage AC or DC power supply over the network.*

## LINQ8PD

- Control, monitor and report power/diagnostics from anywhere over the network.
- Each LINQ8PD(CB) is compatible with one (1) or two (2) AC or supervised DC power supply/chargers.
- Retrofits with existing power supplies.
- Output voltage is individually selectable for each of the eight (8) outputs when utilizing two (2) power supplies.
- Battery backup is selectable by output.
- Eight (8) fuse protected outputs.

### Features:

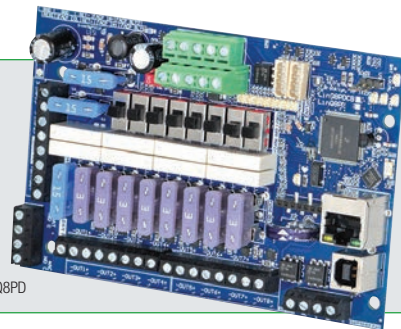
- Provides local and/or remote access to critical information via LAN/WAN to help keep systems up and running at optimal levels.
- Control power output(s) locally or remotely.
- Email and Windows Dashboard Alert notifications report real-time power diagnostics.
- Event log tracks history.
- Secure Socket Layer (SSL).
- Reduces system downtime, eliminates service calls and creates RMR opportunities.
- Programmable via USB or web browser.
- Includes operating software and 6ft. USB cable.

## LINQ8PDCB

- LINQ8PD with eight (8) PTC protected outputs.

### Status Monitoring Functions:

- Input and output voltage and current monitoring
- Real time battery health monitoring
- High temperature monitoring...and more!



LINQ8PD



## NETWORK ACCESS POWER CONTROLLER

*Route power to access hardware devices,  
while providing remote monitoring and control!*

### LINQ8ACM

- Control, monitor and report power/diagnostics from anywhere over the network.
- Retrofits with existing power supplies.
- 5VDC to 24VDC, up to 10A each or 20A total input.
- Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.  
Do not exceed the individual power supply ratings.
- Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2.  
Individual outputs may be set to OFF position for servicing.
- Fuses are rated 3A/32V each.  
Total output current is determined by the power supply(ies), not to exceed a maximum of 10A for each input.

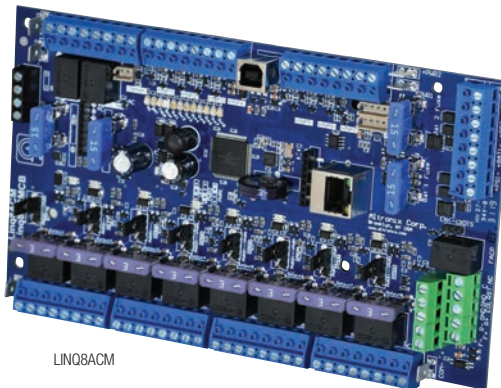
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### LINQ8ACMCB

- LINQ8ACM with eight (8) PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.  
Do not exceed the individual power supply ratings.
- PTCs are rated 2A each. Total output current is determined by the power supply(ies), not to exceed a maximum of 10A for each input.

### Status Monitoring Functions:

- Input and output voltage and current monitoring
- Real time battery health monitoring
- High temperature monitoring...and more!



LINQ8ACM



## NETWORK ACCESS POWER CONTROLLER

### Features:

- Two (2) independent low voltage inputs.
- Input Voltage Options:
  - Single Input:
    - Input 1: 12VDC or 24VDC from eFlow series power supply.
  - Dual Input Option 1:
    - Input 1: 12VDC or 24VDC from eFlow series power supply.
  - Input 2:
    - a) 12VDC or 24VDC from eFlow series power supply.
    - b) 5VDC or 12VDC from VR6 voltage regulator.
  - Dual Input Option 2:
    - 12VDC and 24VDC from VR6 voltage regulator.
  - Dual Input Option 3:
    - 12VDC and 24VDC from Tango1B PoE Driven Power Supply.
- Current Consumption: 0.6A @ 12V, 0.3A @ 24V with all relays energized.
- Main Fuse Rating: 15/32A.
- Programming Features:
  - Eight (8) Programmable Outputs:
    - Fail-safe, fail-secure or auxiliary outputs.
    - Input controlled or manually controlled through software.
    - High (over) and low (under) voltage & current monitoring by output.
    - Multiple outputs may be programmed to be triggered by a single input.
    - Battery back-up by output.
  - Eight (8) Programmable Trigger Inputs:
    - Normally open (NO).
    - Normally closed (NC).
    - Open collector sink inputs.
    - Wet Input (5VDC - 24VDC) with 10k resistor.
    - Any combination of the above.
  - Other Programmable Trigger Inputs:
    - Monitor power supply(ies) input for voltage & current limits (high/low).
    - Input and output current calibration.
    - Programmable timer events.
    - Programmable user levels.
    - Enable or disable alerts by type.
    - Programmable alert reporting delay.
  - Fire Alarm Disconnect - Supervised Inactive, latching or non-latching, individually selectable for any or all of the eight (8) outputs. EOL 10K Resistor.
  - LED Indicators:
    - AC LED: Green, indicates AC trouble condition.
    - BAT LED: Green, indicates battery trouble condition.
    - FACP LED: Green, indicates FACP disconnect is triggered.
    - Heartbeat LED: Flashing Blue, indicates network connection.
    - OUT1 - OUT8 Individual LEDs: Red, indicate outputs are triggered.
    - Voltage Individual LEDs: 12VDC (Green) or 24VDC (Red).
  - Dimensions (W x L x H) 8" x 4.5" x 1.25".



## NETWORK COMMUNICATION MODULES

*Control, Monitor and Report eFlow Power*

### LINQ2

- Control, monitor and report power/diagnostics from anywhere over the network.
- Each LINQ2 is compatible with one (1) or two (2) eFlow power supply/chargers.

#### Status Monitoring Functions:

- DC output voltage
- Output current draw
- AC status
- Battery status
- Unit temperature

#### Setup:

- Site ID identifies installation location
- Power supply/charger calibration
- DC output(s) control
- Relay control - remotely operate HVAC, lighting or security systems



LINQ2

#### Features:

- UL Listed Sub-Assembly in the U.S. for Access Control, Burglar and Fire, UL Listed Sub-Assembly in Canada for Access Control and Burglar.
- Provides local and/or remote access to critical information via LAN/WAN to help keep systems up and running at optimal levels.
- Control eFlow power output(s) locally or remotely.
- Two (2) integral network controlled Form "C" Relays.
- Email and Windows Dashboard Alert notifications report real-time power diagnostics.
- Event log tracks history.
- Secure Socket Layer (SSL).
- Reduces system downtime, eliminates service calls and creates RMR opportunities.
- Programmable via USB or web browser.
- Includes operating software and 6ft. USB cable.





# LINQ DASHBOARD

## CENTRAL MANAGEMENT SOFTWARE

LINQ8PD-220

PS1 (V)	26.6	BATT CAPACITY (Ah)	7
PS1 (A)	7.2	BATT CHRG LEVEL (%)	0
PS2 (V)	11.9	BATT CHRG VOLTAGE (V)	26.6
PS2 (A)	3.3	BATT CURRENT (A)	0.4 (discharging)

PORT OUTPUT ID ON / OFF

1	Channel 1	ON
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VIEW INTERFACE

LinQ DASHBOARD Nov 27, 2017 2:25 PM

SETTINGS

- TCPIP
- CLOUD
- EMAIL
- SECURITY
- USERS
- ALERTS
- LOG
- ABOUT
- HARDWARE
- STATUS
- POWER
- OUTPUTS

LINQ8PD-220

PS1 (V)	26.6	BATT CAPACITY (Ah)	7	RESET STATUS	Not Triggered	AC STATUS	Normal
PS1 (A)	7.2	BATT CHRG LEVEL (%)	0	FACP STATUS	Not Triggered	BATT STATUS	Normal
PS2 (V)	11.9	BATT CHRG VOLTAGE (V)	26.6	TAMPER STATUS	-	BATT CONDITION	Empty
PS2 (A)	3.3	BATT CURRENT (A)	0.4 (discharging)	TEMPERATURE	43	BATT SERVICE	Next: January 1, 2020

PORT	OUTPUT ID	ON / OFF	VOLTAGE (V)	CURRENT (A)	OUTPUT STATUS	PORT CONTROL
1	Channel 1	ON	26.3	1.3	Normal	toggle pulse
2	Channel 2	ON	11.9	0.7	Normal	toggle pulse
3	Channel 3	ON	26.3	1.6	Normal	toggle pulse
4	Channel 4	ON	11.9	0.9	Normal	toggle pulse
5	Channel 5	ON	26.2	1.6	Normal	toggle pulse
6	Channel 6	ON	11.8	0.9	Normal	toggle pulse
7	Channel 7	ON	26.3	1.7	Normal	toggle pulse
8	Channel 8	ON	11.9	1	Normal	toggle pulse

\*Click on table row for further actions

DC Power

Time	User	Event
11/27/2017 2:24:03 PM	System	Battery Current Trouble restored
11/27/2017 2:23:55 PM	System	Battery Current Low trouble

DEVICE ALERTS (4/5)

Site ID	Time	User	Event
LINQ8PD-219	Monday, November 27, 2017 2:24:43 PM	System	BATTERY CURRENT - TROUBLE RESTORED
LINQ8PD-219	Monday, November 27, 2017 2:24:38 PM	System	BATTERY CURRENT - LOW TROUBLE
LINQ8PD-219	Monday, November 27, 2017 2:24:24 PM	System	BATTERY CURRENT - TROUBLE RESTORED
LINQ8PD-219	Monday, November 27, 2017 2:23:46 PM	System	BATTERY CURRENT - LOW TROUBLE

Integrated in an "alarm" Onboard Integration: ON

LINQ8PD status view:

### Features:

- Provides a single software platform for monitoring power supply status.
- Intuitive interface allows the user to manage multiple sites with ease regardless of the number of monitored devices.
- This easy to use application is designed to work with current Altronix products that provide web based management and will also allow access to third party web based solutions such as IP cameras.

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## ENHANCED ACCESS POWER CONTROLLERS

### eFlow4NA8

- UL Listed in the U.S. for Access Control, UL Listed in Canada for Burglar Alarms, CSFM, CE Approved.
- 4 amp @ 12VDC or 24VDC.
- Eight (8) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### eFlow4NA8D

- eFlow4NA8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### eFlow6NA8

- UL Listed in the U.S. for Access Control, UL Listed in Canada for Burglar Alarms, CSFM, CE Approved.
- 6 amp @ 12VDC or 24VDC.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### eFlow6NA8D

- eFlow6NA8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### eFlow102NA8

- UL Listed in the U.S. for Access Control, UL Listed in Canada for Burglar Alarms, CSFM, CE Approved.
- 10 amp @ 12VDC.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### eFlow102NA8D

- eFlow102NA8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

\* All models available in red enclosure (add suffix "R" to model number, e.g. eFlow4NA8DR).

*Monitor and control eFlow ACM Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)*

### eFlow104NA8

- UL Listed in the U.S. for Access Control, UL Listed in Canada for Burglar Alarms, CSFM, CE Approved.
- 10 amp @ 24VDC.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### eFlow104NA8D

- eFlow104NA8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.



EFLOW4NA8



## ENHANCED ACCESS POWER CONTROLLERS

### eFlow Series

#### Access Power Controller Features:

- 12 or 24 AC or DC operation (setting not required).
- Eight (8) Access Control System trigger inputs.
- Input options:
  - a) Eight (8) normally open [NO] inputs.
  - b) Eight (8) open collector inputs.
  - c) Any combination of the above.
- Eight (8) independently controlled fuse protected outputs.
- Output options (models with fuse protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
  - b) Eight (8) form "C" 5 amp rated relay outputs.
  - c) Any combination of the above.
- Output options (models with PTC protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
- Eight (8) auxiliary power outputs (unswitched).
- ACM8 main fuse is rated @ 10 amp.
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the Sixteen (16) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.

- 120VAC 60Hz. input.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Supervised Fire Alarm disconnect.
- Over voltage protection - guards against equipment damage
- Built-in charger for sealed lead acid or gel type batteries.
- Power LED visible on the enclosure door.
- AC fail supervision, battery fail & presence supervision.
- Automatic switch over to stand-by battery when AC fails.
  - Transfer to stand-by battery power is instantaneous with no interruption.
- Low battery cutoff - prevents batteries from discharge.
- Green AC Power LED indicates 120VAC present.
- AC input and DC output LED indicators.
- Short circuit and overload protection.

Enclosure dimensions:  
15.5"H x 12"W x 4.5"D

UL Listed in the U.S. and Canada for Access Control,  
CSFM Approved and CE Approved.





## COMPACT, COST EFFECTIVE ACCESS POWER CONTROLLERS

<b>MaxFit Model #</b>	<b>Configuration</b>
<b>MaxFit3F8AP</b>	eFlow6NB - 12/24VDC@6A, ACM8 - (8) fused protected Fail-Safe/Fail-Secure outputs, PD8UL - (8) fused protected aux. outputs
<b>MaxFit5F8AP</b>	eFlow102NB - 12VDC@10A, ACM8 - (8) fused protected Fail-Safe/Fail-Secure outputs, PD8UL - (8) fused protected aux. outputs
<b>MaxFit7F8AP</b>	eFlow104NB - 24VDC@10A, ACM8 - (8) fused protected Fail-Safe/Fail-Secure outputs, PD8UL - (8) fused protected aux. outputs
<b>MaxFit7F8APS</b>	eFlow104NB - 24VDC@10A, ACM8 - (8) fused protected Fail-Safe/Fail-Secure outputs, PDS8 - Dual Input/Output (8) fused protected aux. outputs, VR6 - Voltage regulator
<b>MaxFit7F16AP</b>	eFlow104NB - 24VDC@10A, 2- ACM8 - (8) fused protected Fail-Safe/Fail-Secure outputs each, PD16W - (16) fused protected aux. outputs
<b>MaxFit7F16APS</b>	eFlow104NB - 24VDC@10A, 2- ACMS8 - Dual Input/Output (8) fused protected Fail-Safe/Fail-Secure outputs each, PD16W - (16) fused protected aux. outputs, VR6 - Voltage regulator



MAXFIT7F8APS



## COMPACT, COST EFFECTIVE ACCESS POWER CONTROLLERS

### Features:

#### ACM8 Access Power Controller:

- Eight (8) Access Control System trigger inputs.
- Input options:
  - a) Eight (8) normally open [NO] inputs.
  - b) Eight (8) open collector inputs.
  - c) Any combination of the above.
- Eight (8) independently controlled fuse protected outputs.
- Output options (models with fuse protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
  - b) Eight (8) form "C" 5 amp rated relay outputs.
  - c) Any combination of the above.
- Output options (models with PTC protected outputs):
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs.
- Eight (8) auxiliary power outputs (unswitched).
- ACM8 main fuse is rated @ 10 amp.
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the Eight (8) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.

#### ACMS8 Dual Input/Output Access Power Controller:

- Same features as ACM8 with:
- Eight (8) fuse protected power outputs are individually selectable to follow power input 1 or input 2.

#### PD8UL Power Distribution Module:

- Eight (8) fuse protected outputs.

#### PD16W Power Distribution Module:

- Sixteen (16) fuse protected outputs.

#### PDS8UL Dual Input/Output Power Distribution Module:

- Same features as PD8UL with:
- Eight (8) fuse protected power outputs are individually selectable to follow power input 1 or input 2.

#### eFlow Power Supply/Charger:

- 120VAC 60Hz. input.
- Additional aux. power-limited output(s) rated @ 1 amp (unswitched).
- Supervised Fire Alarm disconnect.
- Over voltage protection - guards against equipment damage
- Built-in charger for sealed lead acid or gel type batteries.
- AC fail supervision, battery fail & presence supervision.
- Automatic switch over to stand-by battery when AC fails.  
Transfer to stand-by battery power is instantaneous with no interruption.
- Low battery cutoff - prevents batteries from discharge.
- Green AC Power LED indicates 120VAC present.
- AC input and DC output LED indicators.
- Short circuit and overload protection.
- Includes cam lock and battery leads.

Enclosure Dimensions: 20.5"H x 16.5"W x 6.25"D



## COMPACT, COST EFFECTIVE ACCESS POWER CONTROLLERS

### MaxFit3F

- 4.6 amp @ 12VDC or 5.2 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit5F

- 8.6 amp @ 12VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit7F

- 9.2 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit11F

- *Power supply 1* / Eight (8) outputs:  
3.3 amp @ 12VDC or 3.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
3.3 amp @ 12VDC or 3.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit33F

- *Power supply 1* / Eight (8) outputs:  
5.3 amp @ 12VDC or 5.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
5.3 amp @ 12VDC or 5.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit55F

- *Power supply 1* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- *Power supply 2* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit75F

- *Power supply 1* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- *Power supply 2* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### MaxFit77F

- *Power supply 1* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

All models available with PTC protected power-limited outputs (add suffix "D" to model number, Ex. MaxFit77FD).

Monitor and control MaxFit Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)

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MAXFIT75FE



## COMPACT, COST EFFECTIVE ACCESS POWER CONTROLLERS

### MaxFit-F Series

#### Access Power Controller Features:

- Sixteen (16) Access Control System trigger inputs.
- Input options:
  - a) Sixteen (16) normally open [NO] inputs.
  - b) Sixteen (16) open collector inputs.
  - c) Any combination of the above.
- Sixteen (16) independently controlled fuse protected outputs.
- Output options (models with fuse protected outputs):
  - a) Sixteen (16) Fail-Safe and/or Fail-Secure power outputs.
  - b) Sixteen (16) form "C" 5 amp rated relay outputs.
  - c) Any combination of the above.
- Output options (models with PTC protected outputs):
  - a) Sixteen (16) Fail-Safe and/or Fail-Secure power outputs.
- Sixteen (16) auxiliary power outputs (unswitched).
- ACM8 main fuse is rated @ 10 amp.
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the Sixteen (16) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.

- 120VAC 60Hz. input.
  - Additional aux. power-limited output(s) rated @ 1 amp (unswitched).
  - Supervised Fire Alarm disconnect.
  - Over voltage protection - guards against equipment damage
  - Built-in charger for sealed lead acid or gel type batteries.
  - AC fail supervision, battery fail & presence supervision.
  - Automatic switch over to stand-by battery when AC fails.  
Transfer to stand-by battery power is instantaneous with no interruption.
  - Low battery cutoff - prevents batteries from discharge.
  - Green AC Power LED indicates 120VAC present.
  - AC input and DC output LED indicators.
  - Short circuit and overload protection.
  - Includes cam lock and battery leads.
- Enclosure Dimensions: 20.5"H x 16.5"W x 6.25"D



## COMPACT, COST EFFECTIVE EXPANDABLE POWER SYSTEMS

### MaxFit3FE

- 6 amp @ 12 or 24VDC.

### MaxFit5FE

- 10 amp @ 12VDC.

### MaxFit7FE

- 10 amp @ 24VDC.

### MaxFit11FE

- *Power supply 1 & 2:*  
4 amp @ 12 or 24VDC.

### MaxFit13FE

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- *Power supply 1:* 4 amp @ 12 or 24VDC  
*Power supply 2:* 6 amp @ 12 or 24VDC.

### MaxFit33FE

- *Power supply 1 & 2:*  
6 amp @ 12 or 24VDC.

### MaxFit35FE

- *Power supply 1:* 6 amp @ 12 or 24VDC.  
*Power supply 2:* 10 amp @ 12VDC.

### MaxFit37FE

- *Power supply 1:* 6 amp @ 12 or 24VDC.  
*Power supply 2:* 10 amp @ 24VDC.

### MaxFit55FE

- *Power supply 1 & 2:* 10 amp @ 12VDC.

### MaxFit75FE

- *Power supply 1:* 10 amp @ 12VDC.  
*Power supply 2:* 10 amp @ 24VDC.

### MaxFit77FE

- *Power supply 1 & 2:* 10 amp @ 24VDC.



### Features:

- 120VAC 60Hz. input.
- Additional aux. power-limited output(s) rated @ 1 amp (unswitched).
- Supervised Fire Alarm disconnect.
- Over voltage protection - guards against equipment damage.
- Built-in charger for sealed lead acid or gel type batteries.
- AC fail supervision, battery fail & presence supervision.
- Automatic switch over to stand-by battery when AC fails. Transfer to stand-by battery power is instantaneous with no interruption.
- Low battery cutoff - prevents batteries from discharge.
- Green AC Power LED indicates 120VAC present.
- AC input and DC output LED indicators.
- Short circuit and overload protection.

Enclosure Dimensions:

20.5"H x 16.5"W x 6.25"D

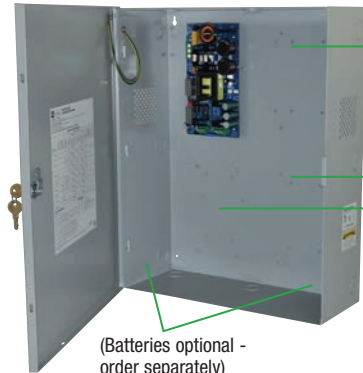
Monitor and control MaxFit Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)





## COMPACT, COST EFFECTIVE EXPANDABLE POWER SYSTEMS

- Customizable with up to (3) sub-assembly modules with a single power supply  
and up to (2) sub-assemblies with dual power -



(Batteries optional -  
order separately)

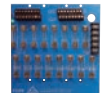
Please visit [www.altronix.com](http://www.altronix.com)  
System Design Tools to  
Customize Your MaxFit Power System.



**MOM5**



**PD4UL**



**PD16W**



**VR6**



**PDS8**



**ACM4**



**ACM8  
ACMS8**



**LINQ8ACM**

### UL Listed Sub-Assembly Optional Accessory Modules:

#### **MOM5**

Five (5) Output Power Distribution Module  
with Fire Alarm Interface (pg. 113)

#### **PD4UL and PD4ULCB**

Four (4) Output Power Distribution Module (pg. 204)

#### **PD16W and PD16WCB**

Sixteen (16) Output Power Distribution Module (pg. 204)

#### **VR6 and PDS8 / PDS8CB**

Voltage Regulator and Dual Input Power  
Distribution Module (pg. 52)

#### **ACM4 and ACM4CB**

Four (4) Output Access Power Controller (pg. 28)

#### **ACM8 and ACM8CB**

Eight (8) Output Access Power Controller (pg. 29)

#### **ACMS8 and ACMS8CB**

Dual Input Access Power Controller (pg. 53)

#### **LINQ8ACM and LINQ8ACMCB**

Eight (8) Output Access Power Controller (pg. 34)

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## ENHANCED ACCESS POWER CONTROLLERS

### Maximal3F

- 4.6 amp @ 12VDC or 5.2 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### Maximal5F

- 8.6 amp @ 12VDC.
- Sixteen (16) fuse protected outputs.

### Maximal7F

- 9.2 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

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MAXIMAL7FD

### Maximal11F

- *Power supply 1* / Eight (8) outputs:  
3.3 amp @ 12VDC or 3.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
3.3 amp @ 12VDC or 3.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### Maximal33F

- *Power supply 1* / Eight (8) outputs:  
5.3 amp @ 12VDC or 5.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
5.3 amp @ 12VDC or 5.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### Maximal55F

- *Power supply 1* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- *Power supply 2* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- Sixteen (16) fuse protected outputs.

### Maximal75F

- *Power supply 1* / Eight (8) outputs:  
9.3 amp @ 12VDC.
- *Power supply 2* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

### Maximal77F

- *Power supply 1* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- *Power supply 2* / Eight (8) outputs:  
9.6 amp @ 24VDC.
- Sixteen (16) fuse protected outputs.

All models available with PTC protected power-limited outputs (add suffix "D" to model number, Ex. Maximal33FD).

Monitor and control Maximal-F Series Power Supply/Chargers  
with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED ACCESS POWER CONTROLLERS

### Maximal-F Series

#### Access Power Controller Features:

- Sixteen (16) Access Control System trigger inputs.
- Input options:
  - a) Sixteen (16) normally open [NO] inputs.
  - b) Sixteen (16) open collector inputs.
  - c) Any combination of the above.
- Sixteen (16) independently controlled fuse protected outputs.
- Output options (models with fuse protected outputs):
  - a) Sixteen (16) Fail-Safe and/or Fail-Secure power outputs.
  - b) Sixteen (16) form "C" 5 amp rated relay outputs.
  - c) Any combination of the above.
- Output options (models with PTC protected outputs):
  - a) Sixteen (16) Fail-Safe and/or Fail-Secure power outputs.
- Sixteen (16) auxiliary power outputs (unswitched).
- ACM8 main fuse is rated @ 10 amp.
- Red LEDs indicate outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the Sixteen (16) outputs.
- Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input.
  - b) Polarity reversal input from FACP signaling circuit.

- 120VAC 60Hz. input.
- Additional aux. power-limited output(s) rated @ 1 amp (unswitched).
- Supervised Fire Alarm disconnect.
- Over voltage protection - guards against equipment damage
- Built-in charger for sealed lead acid or gel type batteries.
- AC fail supervision, battery fail & presence supervision.
- Automatic switch over to stand-by battery when AC fails.  
Transfer to stand-by battery power is instantaneous with no interruption.
- Low battery cutoff - prevents batteries from discharge.
- Green AC Power LED indicates 120VAC present.
- AC input and DC output LED indicators.
- Short circuit and overload protection.
- Includes cam lock and battery leads.

Enclosure Dimensions: 26"H x 19"W x 6.5"D

UL Listed in the U.S. and Canada for Access Control,  
CSFM Approved and CE Approved.



# MAXIMAL<sup>®</sup> ENHANCED EXPANDABLE POWER SYSTEMS

## Maximal11FE

- *Power supply 1:*  
4 amp @ 12VDC or 4 amp @ 24VDC
- *Power supply 2:*  
4 amp @ 12VDC or 4 amp @ 24VDC

## Maximal13FE

- *Power supply 1:*  
4 amp @ 12VDC or 4 amp @ 24VDC
- *Power supply 2:*  
6 amp @ 12VDC or 6 amp @ 24VDC

## Maximal33FE

- *Power supply 1:*  
6 amp @ 12VDC or 6 amp @ 24VDC
- *Power supply 2:*  
6 amp @ 12VDC or 6 amp @ 24VDC

## Maximal35FE

- *Power supply 1:*  
6 amp @ 12VDC or 6 amp @ 24VDC
- *Power supply 2:*  
10 amp @ 12VDC

## Maximal37FE

- *Power supply 1:*  
6 amp @ 12VDC or 6 amp @ 24VDC
- *Power supply 2:*  
10 amp @ 24VDC

## Maximal55FE

- *Power supply 1:*  
10 amp @ 12VDC
- *Power supply 2:*  
10 amp @ 12VDC

## Maximal75FE

- *Power supply 1:*  
10 amp @ 12VDC
- *Power supply 2:*  
10 amp @ 24VDC

## Maximal77FE

- *Power supply 1:*  
10 amp @ 24VDC
- *Power supply 2:*  
10 amp @ 24VDC

## Features:

- 120VAC 60Hz. input.
  - Additional aux. power-limited output(s) rated @ 1 amp (unswitched).
  - Supervised Fire Alarm disconnect.
  - Over voltage protection - guards against equipment damage
  - Built-in charger for sealed lead acid or gel type batteries.
  - AC fail supervision, battery fail & presence supervision.
  - Automatic switch over to stand-by battery when AC fails. Transfer to stand-by battery power is instantaneous with no interruption.
  - Low battery cutoff - prevents batteries from discharge.
  - Green AC Power LED indicates 120VAC present.
  - AC input and DC output LED indicators.
  - Short circuit and overload protection.
- Enclosure Dimensions: 26"H x 19"W x 6.5"D

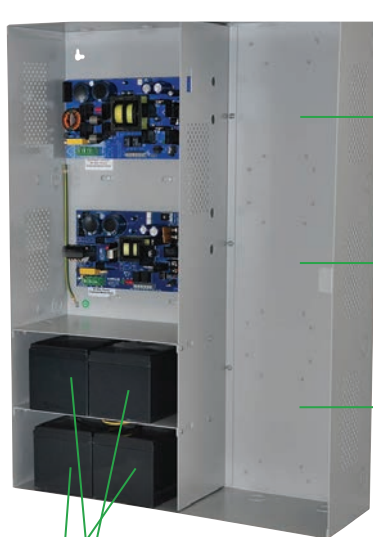
UL Listed in the U.S. and Canada for Access Control, CSFM Approved and CE Approved.



Monitor and control Maximal-F Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)

## ENHANCED EXPANDABLE POWER SYSTEMS

- Customizable with up to three (3) field-installable sub assembly modules -



(Batteries optional -  
order separately)



**MOM5**



**PD4UL**



**PD16W**



**VR6**



**PDS8**



**ACM4**



**ACM8**



**ACMS8**



**LINQ8ACM**

### UL Listed Sub-Assembly Optional Accessory Modules:

#### **MOM5**

Five (5) Output Power Distribution Module  
with Fire Alarm Interface (pg. 113)

#### **PD4UL and PD4ULCB**

Four (4) Output Power Distribution Module (pg. 204)

#### **PD16W and PD16WCB**

Sixteen (16) Output Power Distribution Module (pg. 204)

#### **VR6 and PDS8 / PDS8CB**

Voltage Regulator and Dual Input Power  
Distribution Module (pg. 52)

#### **ACM4 and ACM4CB**

Four (4) Output Access Power Controller (pg. 28)

#### **ACM8 and ACM8CB**

Eight (8) Output Access Power Controller (pg. 29)

#### **ACMS8 and ACMS8CB**

Dual Input Access Power Controller (pg. 53)

#### **LINQ8ACM and LINQ8ACMCB**

Eight (8) Output Access Power Controller (pg. 34)

Please visit [www.altronix.com](http://www.altronix.com) System Design Tools to  
*Customize Your Maximal Power System.*

### *Eight (8) Output*

#### **Maximal1RH**

- 4 amp @ 12VDC or 3 amp @ 24VDC.
- 2.0 amp max. current per output.
- Eight (8) fuse protected outputs.

#### **Maximal3RH**

- 6 amp @ 12VDC or 24VDC.
- 2.0 amp max. current per output.
- Eight (8) fuse protected outputs.

### *Sixteen (16) Output*

#### 50 **Maximal1R**

- 4 amp @ 12VDC or 3 amp @ 24VDC.
- 2.0 amp max. current per output.
- Sixteen (16) fuse protected outputs.

#### **Maximal3R**

- 6 amp @ 12VDC or 24VDC.
- 2.0 amp max. current per output.
- Sixteen (16) fuse protected outputs.

#### **Maximal33R**

- 12 amp @ 12VDC and/or 24VDC.
- 12 amp total output current.
- 2.0 amp max. current per output.
- Sixteen (16) fuse protected outputs.

#### **Features:**

- 115VAC 50/60Hz. input
  - Normally closed [NC] or normally open [NO] dry contact inputs (switch selectable).
  - Individually selectable, Mag Lock/Strike (Fail-Safe, Fail-Secure) solid state fuse protected power outputs.
  - Fire Alarm disconnect (latching with reset or non-latching) is individually selectable for any or all of the outputs.
  - Fire Alarm disconnect input options:
    - a) Normally open [NO] or normally closed [NC] dry contact input.
    - b) Polarity reversal input from FACP signaling circuit.
  - Remote reset capability for latching Fire Alarm Interface mode
  - Filtered and electronically regulated outputs.
  - Short circuit and thermal overload protection.
  - Removable terminal blocks with locking screw flange.
  - 3-wire line cord.
  - Illuminated master power switch.
  - Built-in charger for sealed lead acid or gel type batteries.
  - Zero voltage drop upon transfer to battery backup.
  - Automatic switch over to stand-by battery when AC fails.
  - AC fail, low battery and battery presence supervision.
  - Individual output status LEDs located on the front panel.
  - 2U rack mount chassis for use in standard EIA 19" rack.
- \* All models available with PTC protected outputs (add suffix "D" to model number, Ex. Maximal3RD). These products are not UL Listed.





Stackable mounting configuration saves valuable enclosure space and reduces cost.

Provide 12 / 24VDC Simultaneously over 8 outputs

## ACCESS CONTROL DISTRIBUTION / ACCESSORIES

*Voltage Regulator***VR6**

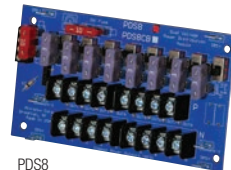
- Converts a 24VDC input into a regulated 5VDC or 12VDC output.
- Input: 24VDC @ 1.75A – Output: 5VDC @ 6A
- Input: 24VDC @ 3.5A – Output: 12VDC @ 6A
- Surge suppression.



VR6

*Dual Input Power Distribution Modules***PDS8**

- Eight (8) fuse protected power outputs are individually selectable to follow power input 1 or input 2.
- Inputs rated at 5VDC to 24VDC up to 10A or 16VAC to 28VAC up to 14A.
- Individual outputs may be set to OFF position for servicing.
- Multiple units may be daisy-chained to accommodate larger systems.

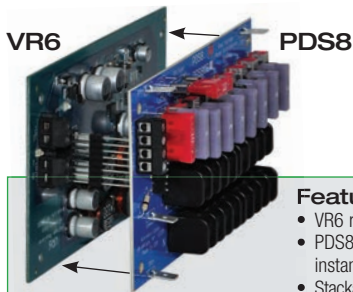


PDS8

**PDS8CB**

- PDS8 with PTC protected outputs.

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*Dual Input Power Distribution Module and Voltage Regulator Kits***PDS8K1**

- Includes PDS8 and VR6 voltage regulator.

**PDS8CBK1**

- Includes PDS8CB and VR6 voltage regulator.

**Features:**

- VR6 reduces the cost of adding another power supply.
- PDS8/PDS8CB is uniquely designed to stack with Altronix compatible sub-assemblies making an instant plug-in connection via common standoffs.
- Stackable mounting configuration saves valuable enclosure space.



## ACCESS CONTROL DISTRIBUTION / ACCESSORIES

### *Dual Input Access Power Controllers*

#### ACMS8

- Eight (8) fuse protected power outputs are individually selectable to follow power input 1 or input 2.
- Input 1 and Input 2 voltage range:  
5VDC to 24VDC, up to 10A each, 20A total input.

#### ACMS8CB

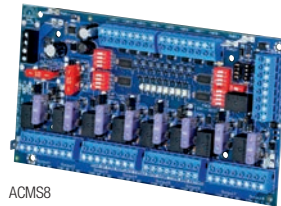
- ACMS8 with PTC protected outputs.
- Input 1 and Input 2 voltage range:  
5VDC to 24VDC, up to 10A each, 16A total input.

#### ACMS8K1

- Kit Includes ACMS8 and VR6 voltage regulator.

#### ACMS8CBK1

- Kit Includes ACMS8CB and VR6 voltage regulator.



ACMS8

#### Features:

- ACMS8/ACMS8CB is uniquely designed to stack with Altronix compatible sub-assemblies making an instant plug-in connection via common standoffs.
- Stackable mounting configuration saves valuable enclosure space.
- Eight (8) Individually Controlled trigger inputs:
  - a) Normally open (NO) inputs.
  - b) Normally closed (NC) inputs.
  - c) Open collector sink inputs.
  - d) Wet Input (5VDC - 24VDC) with 10K resistor
  - e) Any combination of the above.
- Eight (8) selectable 5VDC - 24VDC independently controlled outputs or Eight (8) independently controlled Form "C" relay outputs:
  - a) Fail-Safe and/or Fail-Secure power outputs.
  - b) Form "C" Relays. Contacts rated @ 5A, dry output rated @ 3A.
  - c) Auxiliary power outputs (unswitched).
  - d) Any combination of the above.
- Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.
- Individual outputs may be set to OFF position for servicing.
- Surge suppression.
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs.  
Fire Alarm disconnect input options:
  - a) Normally open [NO] or normally closed [NC] dry contact input. Polarity reversal input from FACP signaling circuit.
- FACP output relay [NC] contact or provides 10k resistance with [EOL JMP] intact.
- Red LEDs indicate outputs are triggered.
- Blue LED indicates FACP disconnect is triggered.
- Board Dimensions (W x L x H approximate):  
8" x 4.5" x 1.25" (203.2mm x 114.3mm x 31.8mm).

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

Combine Altronix power and accessories with access controllers from the industry's leading manufacturers.

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## Features:

- Trove™ enclosures let you easily integrate Altronix power with access controllers and accessories from the industry's leading manufacturers.
- Removable backplanes allow you to configure and pretest prior to on-site installation.
- Simplifies board layout and wire management.
- Reduces installation time and labor costs.
- Convenient knockout configuration.
- Accommodates up to four (4) 12VDC/12AH batteries.
- Includes cam lock, tamper switch and mounting hardware.

**TROVE1** Enclosure Dimensions: 18"H x 14.5"W x 4.625"D  
Backplane Dimensions: 16.625"H x 12.5"W x 0.5"D

**TROVE2** Enclosure Dimensions: 27.25"H x 21.5"W x 6.5"D  
Backplane Dimensions: 25.375"H x 19.375"W x 0.5"D

**TROVE3** Enclosure Dimensions: 36.12"H x 30.125"W x 7.06"D  
Backplane Dimensions: 34.0"H x 28.0"W x 0.5"D

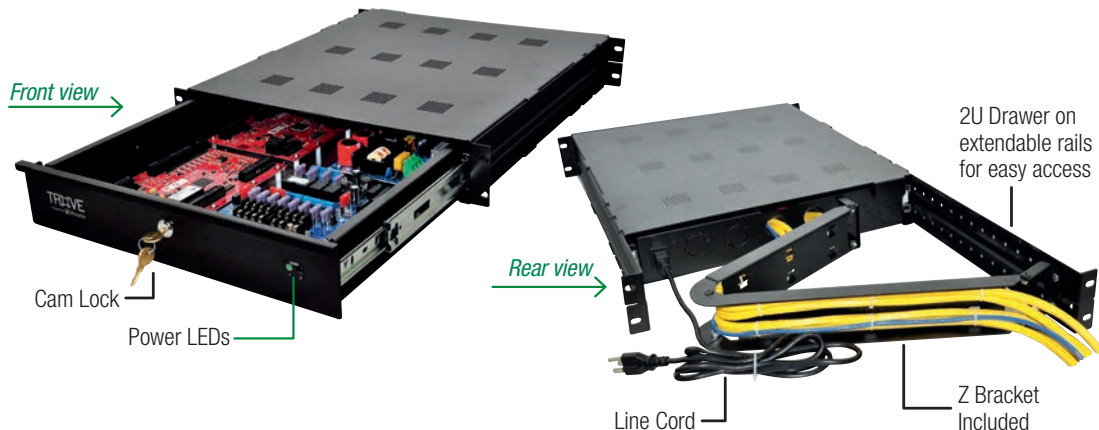
**TROVE1R** Enclosure Dimensions: 3.375"H x 19"W x 24"D  
Backplane Dimensions: 18.5"H x 15.25"W x 0.5"D

Please visit [www.altronix.com](http://www.altronix.com) - System Design Tools to *Customize Your Trove Access & Power Integration Solution*



## ACCESS AND POWER INTEGRATION SOLUTIONS

*Customize your Rack Access*



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3.375" x 19" x 24" (rails extend to 36")

### Rack Mount Trove Solution

Altronix Trove™ Rack Mount Access and Power Integration solutions let you easily integrate Altronix power/accessories with access controllers from the industry's leading manufacturers. Trove™ simplifies board layout and wire management, reduces installation time and labor costs.

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

## Trove1AL1R - Rack Enclosure + Backplane



- Accommodates the following Altronix power/accessories:
  - Altronix Power Supplies and Sub-Assemblies: eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6

## T1RAL3F8

### Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: eFlow6NB, ACMS8, VR6, PDS8.

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## T1RAL33F16

### Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: 2-eFlow6NB, 2-ACMS8.

*PTC versions are available - add the suffix "D" to the model number ie. T1RAL33F16D).*



*For up to 12 door  
AMAG access systems*

## Trove2AM2 Enclosure + Backplane



- Accommodates the following AMAG boards with or without Altronix power/accessories:
  - M2150-2DC, M2150-4DC, M2150-AC24/4, M2150-2DBC, M2150-4DBC, M2150-8DBC
- Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TAM2 backplane.

## TAM2 Backplane

- Accommodates AMAG boards with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.



\* Boards not included

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# TR[O]VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 12 door  
AMAG access systems

## Trove2AG2 Enclosure + Backplane

- Accommodates the following AMAG boards with or without Altronix power/accessories:
  - M4000-DEC, M4000-IOC20/16
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TAG2 backplane.

## TAG2 Backplane

- Accommodates AMAG boards with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.



\* Boards not included



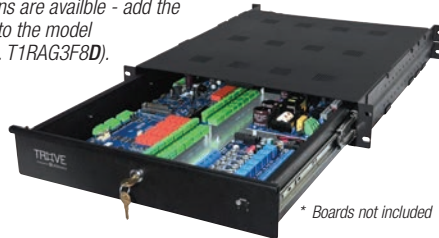
## Trove1AG1R Rack Enclosure + Backplane

- Accommodates the following AMAG boards with Altronix power/accessories:
  - AMAG Symmetry M4000-DEC4, M4000-IOC20/16
  - Altronix Power Supplies and Sub-Assemblies: eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6



## T1RAG3F8 Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: eFlow6NB, ACMS8, VR6, PDS8.
  - Accommodates the following AMAG boards:
    - AMAG Symmetry M4000-DEC4, M4000-IOC20/16
- PTC versions are available - add the suffix "D" to the model number (ie. T1RAG3F8D).



\* Boards not included

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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 32 door AMAG access systems*

## Trove3AM3 Enclosure + Backplane

- Accommodates the following AMAG boards with Altronix power/accessories:
  - Up to (4) M4000-DEC, M4000-IOC20/16
  - Up to (2) M2150-2DC, M2150-4DC, M2150-AC24/4, M2150-2DBC, M2150-4DBC, M2150-8DBC, M2150-DBU
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 enclosure and TCV3 backplane.

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## TAM3 Backplane

- Accommodates AMAG boards with Altronix power/accessories
- Fits Altronix Trove3 enclosure.



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\* Boards not included



## ACCESS AND POWER INTEGRATION SOLUTIONS

### Trove2BH2 Enclosure + Backplane

- Accommodates the following Bosch boards with or without Altronix power/accessories
  - D7412GV4, D9412GV4, B8512G, B9512G, B520, B901, B299, B600, D8128D, D8125/MUX, D8129, D125B, D129, D132A, D192G, D8130, B208, B308, B426, B450, ICP-SDI-9114
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TBH2 backplane

### TBH2 Backplane

- Accommodates Bosch boards with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.



\* Boards not included

## BOSCH

### TBHD2 (optional) Door Backplane

- Accommodates Bosch boards
  - D7412GV4, D9412GV4, B8512G, B9512G, B520, B901, B299, B600, D8128D, D8125/MUX, D8129, D125B, D129, D132A, D192G, D8130, B208, B308, B426, B450, ICP-SDI-9114
- Fits Altronix Trove2 and Trove3 enclosures.

Door Backplane Dimensions:  
23.75"H x 18"W x 0.5"D



\* Boards not included

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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
CDVI access systems*

## Trove1C1 Enclosure + Backplane

- Accommodates the following CDVI boards with or without Altronix power/accessories:
  - A22NB
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TC1 backplane for CDVI/Altronix boards.



*\* Boards not included*

*For up to 10 door  
CDVI access systems*

## Trove2CV2 Enclosure + Backplane

- Accommodates the following CDVI boards with or without Altronix power/accessories:
  - A22NB
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TCV2 backplane



## TCV2 Backplane

- Accommodates CDVI boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



*\* Boards not included*

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## TC1 Backplane

- Accommodates CDVI boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.

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# TR<sup>2</sup>OVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 20 door CDVI access systems*

## Trove3CV3 Enclosure + Backplane

- Accommodates the following CDVI boards with Altronix power/accessories:
  - A22NB
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 enclosure and TCV3 backplane.

## TCV3 Backplane

- Accommodates CDVI boards with Altronix power/accessories
- Fits Altronix Trove3 enclosure.



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\* Boards not included

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
DMP access systems*

## Trove1DM1 Enclosure + Backplane

- Accommodates the following DMP modules with or without Altronix power/accessories:
  - 734, 734N
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TDM1 backplane for DMP modules



\* Boards not included

*For up to 16 door  
DMP access systems*

## Trove2DM2 Enclosure + Backplane

- Accommodates the following DMP modules with or without Altronix power/accessories:
  - 734, 734N
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TDM2 backplane



\* Boards not included

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## TDM1 Backplane

- Accommodates DMP boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.

## TDM2 Backplane

- Accommodates DMP modules with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.

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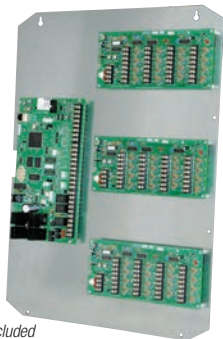
# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For an additional 12  
6 doors of DMP access*

## **TDMD2 (optional) Door Backplane**

- Accommodates DMP boards
  - XR150, XR550, 714-8, 714-16.
- Fits Altronix Trove2 and Trove3 enclosure.

Door Backplane Dimensions:  
23.75"H x 18"W x 0.5"D



\* Boards not included

## **Trove2DR2 Enclosure + Backplane**

- Accommodates DIN Rail mountable modules with or without Altronix power/accessories
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TDR2 backplane

## **TDR2 Backplane**

- Accommodates DIN Rail mountable modules with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.



\* Boards not included

All registered trademarks are property of their respective owners.

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Hartmann access systems*

## Trove1HC1 Enclosure + Backplane



- Accommodates the following Hartmann boards with or without Altronix power/accessories:
  - PRS\_MASTER, PRS\_MSE\_STRIP-3P, PRS\_I08
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and THC1 backplane for Hartmann boards



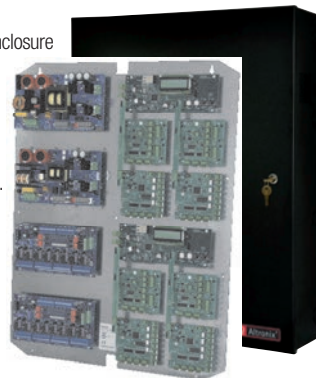
\* Boards not included

*For up to 16 door  
Hartmann access systems*

## Trove2HC2 Enclosure + Backplane



- Accommodates the following Hartmann boards with or without Altronix power/accessories:
  - PRS\_MASTER, PRS\_MSE\_STRIP-3P, PRS\_I08
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and THC2 backplane



\* Boards not included

## THC1 Backplane

- Accommodates Hartmann boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.

## THC2 Backplane

- Accommodates Hartmann boards with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.

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# TR<sup>2</sup>OVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

## Trove1V1R Rack Enclosure + Backplane

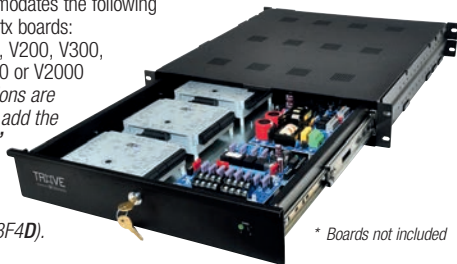


- Accommodates the following HID/Vertx boards with or without Altronix power/accessories:
  - V100, V200, V300, V1000 or V2000
  - Altronix Power Supplies and Sub-Assemblies: eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6

## T1RV3F4 Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: eFlow6NB, ACM4, VR6, PDS8.
- Accommodates the following HID/Vertx boards:
  - V100, V200, V300, V1000 or V2000

*PTC versions are available - add the suffix "D" to the model number (ie. T1RV3F4D).*



\* Boards not included

*For up to 8 door  
HID/Vertx access systems*

## Trove1V1 Enclosure + Backplane



- Accommodates the following HID/Vertx boards with or without Altronix power/accessories:
  - V100, V200, V300, V1000 and V2000
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TV1 backplane for Vertx/Altronix boards.

## TV1 Backplane

- Accommodates HID/Vertx boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.



\* Boards not included

All registered trademarks are property of their respective owners.

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 12 door  
HID/VertX access systems*

## Trove2V2 Enclosure + Backplane

- Accommodates the following HID/Vertx boards with or without Altronix power/accessories:
  - V100, V200, V300, V1000 or V2000
  - Altronix Power Supplies and Sub-Assemblies
- Fits Altronix Trove2 enclosure.
- Includes Altronix Trove2 Enclosure and TV2 backplane.



\* Boards not included



*For additional 12 door  
HID/VertX access systems*

## TMV2 (optional) Door Backplane

- Accommodates HID/Vertx boards and Altronix sub-assemblies
    - V100, V200, V300, V1000 or V2000
  - Fits Altronix Trove2 and Trove3 enclosures.
- Door Backplane Dimensions:  
23.75"H x 18"W x 0.5"D



\* Boards not included



All registered trademarks are property of their respective owners.

# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 30 door HID/VertX access systems*

## Trove3V3

### Enclosure + Backplane

- Accommodates the following HID VertX boards with or without Altronix power/accessories:
  - V100, V200, V300, V1000 or V2000
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 enclosure and TV3 backplane.

### TV3 Backplane

- Accommodates HID VertX boards with or without Altronix power/accessories
- Fits Altronix Trove3 enclosure.

### TMV2 (optional) Door Backplane

- Accommodates HID/VertX boards and Altronix sub-assemblies
  - V100, V200, V300, V1000 or V2000
- Fits Altronix Trove2 and Trove3 enclosures.

Door Backplane Dimensions: 23.75"H x 18"W x 0.5"D



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*Pre-assembled kits available in various configurations.*

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\* Boards not included

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 8 door  
Honeywell access systems

## Trove2HN2 Enclosure + Backplane

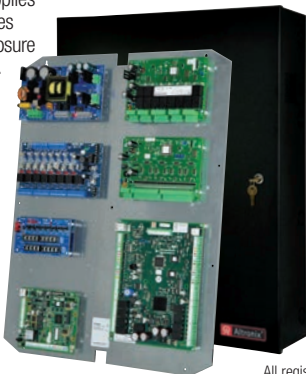
- Accommodates the following Honeywell NetAxs boards with or without Altronix power/accessories:
  - NXC1, NXC1 with NXD1, NXC1 with NXD2, NX4, NX4IN, NX4OUT
  - Altronix Power Supplies and Sub-Assemblies
- Includes Trove2 Enclosure and THN2 backplane.

## THN2 Backplane

- Accommodates Honeywell NetAxs boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.

\* Boards not included

**Honeywell**  
THE POWER OF CONNECTED



## Trove1HW1R Rack Enclosure + Backplane

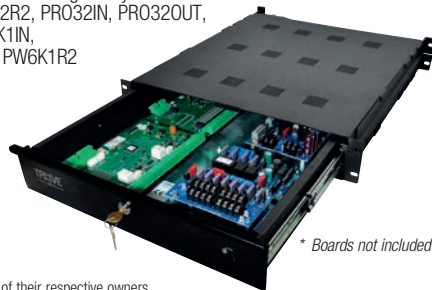
- Accommodates the following Honeywell boards with or without Altronix power/accessories:
  - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW6K1IC, PW6K1IN, PW6K1OUT and PW6K1R2
  - Altronix Power Supplies and Sub-Assemblies: eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6

## T1RHW3F4

### Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: eFlow6NB, ACM4, VR6, PDS8.
- Accommodates the following Honeywell boards:
  - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW6K1IC, PW6K1IN, PW6K1OUT and PW6K1R2

*PTC versions are available - add the suffix "D" to the model number (ie. T1RHW3F4D).*



\* Boards not included

**Honeywell**  
THE POWER OF CONNECTED

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# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Honeywell access systems*

## Trove2HW2 Enclosure + Backplane

- Accommodates the following Honeywell boards with or without Altronix power/accessories:
  - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW51KEN, PW6K1C, PW6K1IN, PW6K1OUT, PW6K1R2, PW6K1ICE and PW6K1R1E
  - PRO32E1PS, PW6K2E2PS
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and THW2 backplane.

## THW2 Backplane

- Accommodates Honeywell boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



\* Boards not included

**Honeywell**  
THE POWER OF CONNECTED

## THWD2 (optional) Door Backplane

- Accommodates Honeywell boards
  - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW51KEN, PW6K1C, PW6K1IN, PW6K1OUT, PW6K1R2, PW6K1ICE and PW6K1R1E
- Fits Altronix Trove2 and Trove3 enclosures.

Door Backplane Dimensions:  
23.75"H x 18"W x 0.5"D



\* Boards not included

All registered trademarks are property of their respective owners.

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 12 door Honeywell access systems*

## Trove3HW3 Enclosure + Backplane

**Honeywell**  
THE POWER OF CONNECTED

- Accommodates the following Honeywell boards with or without Altronix power/accessories:
  - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW51KEN, PW6K1IC, PW6K1IN, PW6K1OUT, PW6K1R2, PW6K1ICE and PW6K1R1E
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 Enclosure and THW3 backplane.

## 70 THW3 Backplane

- Accommodates Honeywell boards with or without Altronix power/accessories
- Fits Altronix Trove3 enclosure.

## THWD2 Backplane

- Accommodates the following Honeywell boards:
    - PRO32IC, PRO32R2, PRO32IN, PRO32OUT, PW51KEN, PW6K1IC, PW6K1IN, PW6K1OUT, PW6K1R2, PW6K1ICE, PW6K1R1E and MUX8
  - Fits Altronix Trove2 and Trove3 enclosures.
- Door Backplane Dimensions: 23.75"H x 18"W x 0.5"D



\* Boards not included

All registered trademarks are property of their respective owners.

# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Prodatakey access systems*

## Trove1JC1 Enclosure + Backplane

- Accommodates the following Johnson Controls boards with Altronix power/accessories:
  - CK721A, MHUBX8
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TJC1 backplane.



## TJC1 Backplane

- Accommodates Johnson Control boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.



*\* Boards not included*

*For up to 8 door Johnson Controls  
access systems*

## Trove2JC2 Enclosure + Backplane

- Accommodates the following Johnson Controls boards with Altronix power/accessories:
  - CK721A, MHUBX8, RDR2SA and RDR8SA
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 enclosure and TJC2 backplane.



## TJC2 Backplane

- Accommodates Johnson Control boards with Altronix power/accessories
- Fits Altronix Trove2 enclosure.



*\* Boards not included*

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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 16 door Johnson Controls access systems*

## Trove3JC3 Enclosure + Backplane

- Accommodates the following Johnson Controls boards with Altronix power/accessories:
  - CK721A, MHUBX8, RDR2SA and RDR8SA
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 enclosure and TJC3 backplane.



## TJC3 Backplane

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- Accommodates Johnson Control boards with Altronix power/accessories
  - Fits Altronix Trove3 enclosure.



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\* Boards not included

# TR<sup>2</sup>OVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 12 door  
Kantech access systems

## Trove2KH2 Enclosure + Backplane **KANTECH**

- Accommodates the following Kantech boards with or without Altronix power/accessories:
  - KT-1, KT-400, KT-MOD-OUT16 and KT-MOD-INP16
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TKH2 backplane.

## TKH2 Backplane

- Accommodates Kantech boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



\* Boards not included

For up to 24 door  
Keri Systems access systems

## Trove2KS2 Enclosure + Backplane **KERI SYSTEMS**

- Accommodates the following Keyscan boards with or without Altronix power/accessories:
  - NXT-2D-MSCNE, NXT-4D-MSCNE, NXT-4x4NE, NXT-RM3, NXT-WI
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TKS2 backplane.

## TKS2 Backplane

- Accommodates Keri System boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



\* Boards not included

All registered trademarks are property of their respective owners.

# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 8 door  
Keyscan access systems

## Trove2KA2 Enclosure + Backplane

- Accommodates the following Keyscan boards with or without Altronix power/accessories:
  - 250B, 4500B, 8500B, OCB8, CIM or DPS15
  - Altronix Power Supplies and Sub-Assemblies
  - Altronix T16100 Transformer
- Includes Altronix Trove2 Enclosure and TKA2 backplane.

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## TKA2 Backplane

- Accommodates Keyscan boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



\* Boards not included

**KEYSCAN**  
ACCESS CONTROL SYSTEMS

For up to 16 door Keyscan access systems

## Trove3KA3 Enclosure + Backplane

- Accommodates the following Keyscan boards with Altronix power/accessories:
  - 250B, 4500B, 8500B, OCB8, CIM or DPS15
  - Altronix Power Supplies and Sub-Assemblies
  - Altronix T16175 Transformer
- Includes Altronix Trove3 enclosure and TKA3 backplane.

## TKA3 Backplane

- Accommodates Keyscan boards with Altronix power/accessories
- Fits Altronix Trove3 enclosure.



\* Boards not included

**KEYSCAN**  
ACCESS CONTROL SYSTEMS

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# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 2 door Mercury/Lenel-S2 access systems

## TM250 Enclosure

- Accommodates the following Mercury/Lenel-S2 boards and/or Altronix power supply/charger:
  - Mercury: LP1501, MR62e
  - Lenel-S2: LNL-1300e, LNL-2210



For up to 3 door Mercury/Lenel-S2 access systems

## TM400 Enclosure

- Accommodates the following Mercury/Lenel-S2 boards:
  - Mercury: LP1501, LP1502, LP4502, MR16IN, MR16OUT, MR50, MR62e or MR52
  - Lenel-S2: LNL-1100, LNL-1200, LNL-1300, LNL-1300e, LNL-1320, LNL-2210, LNL-2220, LNL-4420



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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

For up to 8 door Mercury/Lenel-S2 access systems

## Trove1M1 Enclosure + Backplane



- Accommodates the following Mercury/Lenel-S2 boards with or without Altronix power/accessories:
  - Mercury: LP1501, LP1502, LP4502, MR16IN, MR16OUT, MR50, MR62e or MR52
  - Lenel-S2: LNL-2210, LNL-4420, LNL-2220, LNL-1100, LNL-1200, LNL-1300, LNL-1300e or LNL-1320
  - Altronix Power Supplies and Sub-Assemblies
- UL Listed in the U.S. and Canada when installing Lenel-S2 access with or without Altronix power/accessories.
- Includes Trove1 Enclosure and TM1 backplane.

## TM1 Backplane

- Accommodates Mercury/Lenel-S2 boards with or without Altronix power/accessories
- Fits Altronix Trove1 enclosure.



\* Boards not included

For up to 12 door Mercury/Lenel-S2 access systems

## Trove2M2 Enclosure + Backplane



- Accommodates the following Mercury/Lenel-S2 boards with or without Altronix power/accessories:
  - Mercury: LP1501, LP1502, LP4502, LP2500, MR16IN, MR16OUT, MR50, MR62e, MR52 or MUX8
  - Lenel-S2: LNL-1100, LNL-1200, LNL-1300, LNL-1300e, LNL-1320, LNL-2210, LNL-2220, LNL-3300, LNL-4420 or LNL-8000
  - Altronix Power Supplies and Sub-Assemblies
- UL Listed in the U.S. and Canada when installing Lenel-S2 access with or without Altronix power/accessories.
- Includes Altronix Trove2 enclosure and TM2 backplane.

## TM2 Backplane

- Accommodates Mercury/Lenel-S2 boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.



\* Boards not included

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## ACCESS AND POWER INTEGRATION SOLUTIONS

**TMV2 (optional)  
Door Backplane**


- Accommodates Mercury/Lenel-S2 Boards and Altronix Sub-Assemblies:
  - Mercury: LP1501, LP1502, LP4502, MR16IN, MR16OUT, or MR52
  - Lenel-S2: LNL-2210, LNL-4420, LNL-2220, LNL-1100, LNL-1200 or LNL-1320
  - Altronix Sub-Assemblies
- Fits Altronix Trove2 and Trove3 enclosures.

Door Backplane  
Dimensions:  
23.75"H x  
18"W  
x 0.5"D



\* Boards not included

**Trove1M1R  
Rack Enclosure + Backplane**


- Accommodates the following Mercury/Lenel-S2 boards with or without Altronix power/accessories:
  - Mercury: LP1501, LP1502, LP4502, MR16IN, MR16OUT, MR62e, MR50, MUX8
  - Lenel-S2: LNL-1100, LNL-1200, LNL-1300, LNL-1300e, LNL-1320, LNL-2210, LNL-2220, LNL-3300, LNL-4420, LNL-8000
  - Altronix Power Supplies and Sub-Assemblies: eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6

**T1RM3F4 Rack Enclosure + Backplane Kit**

- Pre-assembled kit includes: eFlow6NB, ACM4, VR6, PDS8.
- Accommodates the following Honeywell boards:
  - Mercury: LP1501, LP1502, LP4502, MR16IN, MR16OUT, MR62e, MR50, MUX8
  - Lenel-S2: LNL-1100, LNL-1200, LNL-1300, LNL-1300e, LNL-1320, LNL-2210, LNL-2220, LNL-3300, LNL-4420, LNL-8000

PTC versions are available - add the suffix "D" to the model number (ie. T1RM3F4D).



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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 24 door Mercury/Lenel-S2 access systems*

## Trove3M3 Enclosure + Backplane



- Accommodates the following Mercury/Lenel-S2 boards with or without Altronix power/accessories:
  - Mercury: EP1501, EP1502, EP4502, MR16IN, MR16OUT, MR50, MR51e or MR52
  - Lenel-S2: LNL-2210, LNL-4420, LNL-2220, LNL-1100, LNL-1200, LNL-1300, LNL-1300e or LNL-1320
  - Altronix Power Supplies and Sub-Assemblies

78 • Includes Altronix Trove3 enclosure and TM3 backplane.

## TM3 Backplane

- Accommodates Mercury/Lenel-S2 boards with or without Altronix power/accessories
- Fits Altronix Trove3 enclosure.

## TMV2 (optional) Door Backplane

- Accommodates Mercury/Lenel-S2 Boards for an additional 12 doors (up to 24 door system).
- Fits Altronix Trove2 and Trove3 enclosures.

Door Backplane Dimensions: 23.75"H x 18"W x 0.5"D

*Pre-assembled kits available in various configurations.*

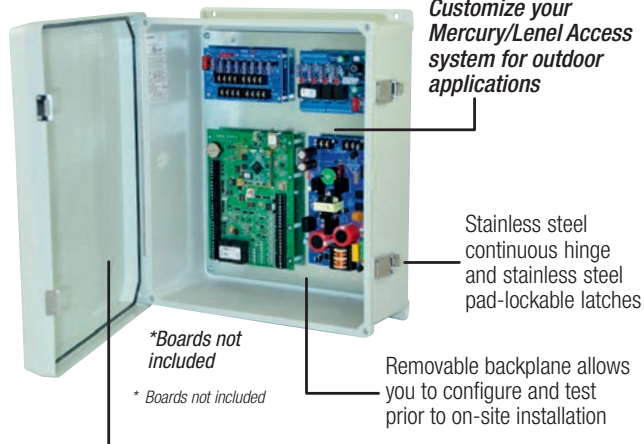
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*\* Boards not included*

# TR[O]VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

Customize your outdoor access system with Mercury/Lenel-S2 and Altronix.



Lightweight NEMA 4/4X, IP66-11 Rated enclosure for outdoor use (PMK2 - Altronix pole mount kit)

## Trove1M1WP Outdoor Enclosure + Backplane



- Accommodates the following Mercury/Lenel-S2 boards with or without Altronix power/accessories:
  - Mercury: EP1501, EP1502, EP2500, EP4502, MR16IN, MR16OUT, MR50, MR51e, MR52, MUX8
  - Lenel-S2: LNL-1100, LNL1200, LNL-1300, LNL-1300e, LNL-1320, LNL-2210, LNL-2220, LNL-4420, LNL-8000
  - Altronix Power Supplies and Sub-Assemblies
- Dimensions: 17.53" x 15.3" x 6.67"

## TM1X - Backplane

- Accommodates Mercury/Lenel-S2 boards with or without Altronix power/accessories
- Fits Altronix WP2 NEMA4/4X IP66-11 Rated outdoor enclosure.

## PMK2 Pole Mount Kit



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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Paxton access systems*

## Trove2PX2 Enclosure + Backplane

- Accommodates the following Paxton boards with or without Altronix power/accessories:
  - Up to (12) Net2 Plus
  - Altronix Power Supplies
- Includes Altronix Trove2 Enclosure TPX2 backplane.



Paxton



\* Boards not included

*For up to 8 door  
Prodatakey access systems*

## Trove1PD1 Enclosure + Backplane

- Accommodates the following Prodatakey boards with or without Altronix power/accessories:
  - PM-07-EIOE-E
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TPD1 backplane for Prodatakey/Altronix boards.



## TPD1 Backplane

- Accommodates Prodatakey boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.



\* Boards not included

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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

Pre-assembled kits available  
in various configurations.



Please visit [www.altronix.com](http://www.altronix.com) -  
System Design Tools to Customize  
Your Trove Access & Power Integration Solution

*For up to 14 door  
S2 access systems*

## Trove2SS2 Enclosure + Backplane

- Accommodates the following S2 boards with Altronix power/accessories:
  - S2-INST
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TSS2 backplane for S2/Altronix boards.

## TSS2 Backplane

- Accommodates S2 boards with Altronix power/accessories.
- Fits Altronix Trove2 enclosure.

*\* Boards not included*



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# TR[O]VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Salto access systems*

## Trove1SA1 Enclosure + Backplane

- Accommodates the following Salto boards with or without Altronix power/accessories:
  - CU4EB8, CU4200, CU42E0
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove1 Enclosure and TSA1 backplane for Salto/Altronix boards.

**SALTO**  
inspired access



\* Boards not included

*For up to 12 door  
Salto access systems*

## Trove2SA2 Enclosure + Backplane

- Accommodates the following Salto boards with or without Altronix power/accessories:
  - CU4EB8, CU4200, CU42E0
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and TSA2 backplane for Salto/Altronix boards.

**SALTO**  
inspired access

## TSA2 Backplane

- Accommodates Salto boards with or without Altronix power/accessories.
- Fits Altronix Trove2 enclosure.



\* Boards not included

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## TSA1 Backplane

- Accommodates Salto boards with or without Altronix power/accessories.
- Fits Altronix Trove1 enclosure.

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# TR[O]VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 8 door  
Sielox access systems*

## Trove2SL2 Enclosure + Backplane

- Accommodates the following Sielox boards with or without Altronix power/accessories:
  - AC-1700
  - Altronix Power Supplies
- Includes Altronix Trove2 Enclosure TSL2 backplane.

## TSL2 Backplane

- Accommodates Sielox boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.

**Sielox**



\* Boards not included

*For up to 16 door  
Software House access systems*

## Trove2SH2 Enclosure + Backplane

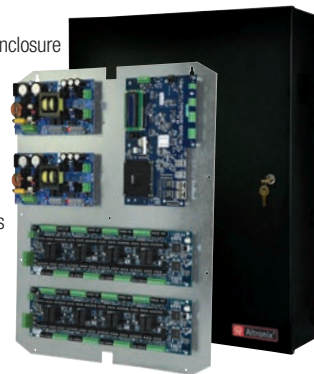
SOFTWARE HOUSE

- Accommodates the following Software House boards with or without Altronix power/accessories:
  - iStar Ultra/Pro GCM, iStar Ultra/Pro ACM, iStar ACM SE, i8, i8 CSI, r8
  - Altronix Power Supplies
- Includes Altronix Trove2 Enclosure and TSH2 backplane.

## TSH2 Backplane

- Accommodates Software House boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.

\* Boards not included



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# TR[O]VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*For up to 16 door Software House access systems*

## Trove3SH3 Enclosure + Backplane

- Accommodates the following Software House boards with or without Altronix power/accessories:
  - iStar Ultra/Pro GCM, iStar Ultra/Pro ACM, iStar ACM SE, i8, i8 CSI, r8
  - Altronix Power Supplies
- Includes Altronix Trove3 Enclosure and TSH3 backplane.

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## TSH3 Backplane

- Accommodates Software House boards with or without Altronix power/accessories
- Fits Altronix Trove3 enclosure.

*Pre-assembled kits available in various configurations.*

*\* Boards not included*

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## SOFTWARE HOUSE





# TR<sup>2</sup>VE™ ACCESS AND POWER INTEGRATION SOLUTIONS

## Trove1SH1R Rack Enclosure + Backplane

SOFTWARE HOUSE

- Accommodates the following Software House boards with or without Altronix power/accessories:
  - iStar ACM SE, iStar Pro ACM, iStar Ultra ACM, i8, r8, i8 CSI
  - Altronix Power Supplies and Sub-Assemblies:
    - eFlow4NB, eFlow6NB, eFlow102NB, eFlow104NB, ACM4(CB), ACM8(CB), ACMS8(CB), LINQ8PD(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6

## T1RSH3F8 Rack Enclosure + Backplane Kit

- Pre-assembled kit includes: eFlow6NB, ACM4, VR6, PDS8.
- Accommodates the following Software House boards:
  - iStar ACM SE, iStar Pro ACM, iStar Ultra ACM, i8, r8, i8 CSI

*PTC versions are available - add the suffix "D" to the model number (ie. T1RSH3F4D).*



\* Boards not included

*For up to 16 door  
ZKTeco USA access systems*

## Trove2Z2 Enclosure + Backplane

ZKTeco USA

- Accommodates the following ZKTeco USA boards with or without Altronix power/accessories:
  - ZKTeco SMB/Pro Series C3 and inBio 1,2 and 4 Door Controllers.
  - Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove2 Enclosure and T2Z backplane.

## T2Z Backplane

- Accommodates ZKTeco USA boards with or without Altronix power/accessories
- Fits Altronix Trove2 enclosure.

\* Boards not included



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# TROVE™ ACCESS AND POWER INTEGRATION SOLUTIONS

*Customize your own system utilizing our Mounting Magnets and blank backplanes!*

## Trove2BL2 Enclosure + Backplane

- Accommodates any access controller boards
- Includes Altronix Trove2 Enclosure TBL2 backplane.

## TBL2 Backplane

- Accommodates any access controller boards
- Fits Altronix Trove2 enclosure.

## Trove3BL3 Enclosure + Backplane

- Accommodates any access controller boards
- Includes Altronix Trove3 Enclosure TBL3 backplane.

## TBL3 Backplane

- Accommodates any access controller boards
- Fits Altronix Trove3 enclosure.

## Trove1BL1R Rack Enclosure + Backplane

- Accommodates any access controller boards
- Fits Altronix Trove1R rack enclosure.

## MM4

Mounting magnets accommodates screws and standoffs. 26 lbs. holding force. Pack of 4, includes four (4) nylon standoffs and eight (8) 5/16" pan head screws.

**MM8** - Pack of 8. **MM12** - Pack of 12. **MM24** - Pack of 24.





## ACCESS AND POWER INTEGRATION SOLUTIONS

*Optional Accessories for TROVE Series*

Model	Description	Model	Description
BL3	18" Battery Leads (black and red)	BL6	68" Battery Leads (black and red)
BL4	8" Battery Series Jumper (yellow)	BR1	Mounting bracket for various sub-assemblies
BT126	12VDC / 7AH Rechargeable Battery	BT1212	12VDC / 12AH Rechargeable Battery
CKL1	Latch lock for enclosures (excludes WP1, WP2, WP3 and WP4)		
GB1	Altronix Adapter Plate for Genetec Synergis Cloud Link		
MM4	Mounting magnets accommodates screws and standoffs. 26 lbs. holding force. Pack of 4, includes four (4) nylon standoffs and eight (8) 5/16" pan head screws. <b>MM8</b> - Pack of 8. <b>MM12</b> - Pack of 12. <b>MM24</b> - Pack of 24.		
NETWAY5B	5-Port Hardened Switch Board		
RSB1	Rocker Switch Bracket - Includes one (1) Master Power ON/OFF Switch and Wires		
RSB2	Rocker Switch Bracket - Includes two (2) Master Power ON/OFF Switches and Wires		
WM5	Magnetic cable tie mount. Accommodates standard zip ties. 16 lbs. holding force. Pack of 5. <b>WM25</b> - Pack of 25. <b>WM100</b> - Pack of 100.		



WM5

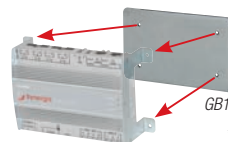


CKL1

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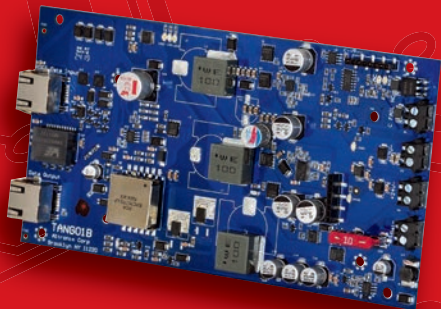


Genetec™



GB1

\* Boards not included

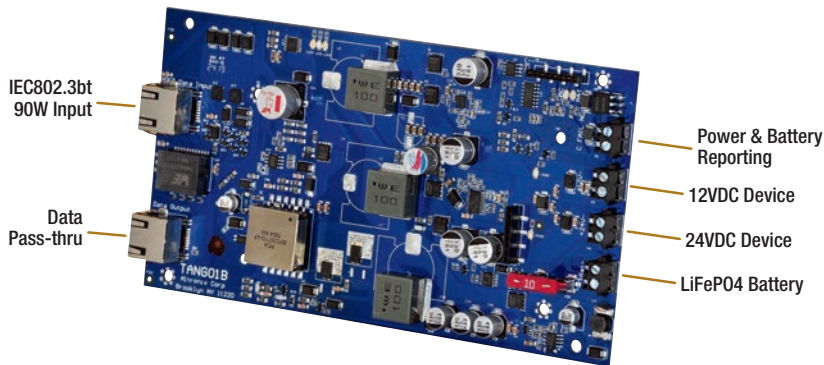


Power your  
Access Control with  
4PPoE, 802.3bt.

**TANGGO**

PoE Driven Access Power

# TANGO POE DRIVEN POWER SUPPLY WITH LITHIUM BATTERY BACKUP



## Tango1B

- 802.3bt PoE up to 90W or 802.3at up to 30W or 802.3af up to 15W
- Power Output (when using 802.3bt 90W)  
12VDC up to 6.25A (72W), and/or 24VDC up to 3A (72W).  
Combined output not to exceed 72W.
- When charging battery:  
12VDC up to 5.4A (65W) and/or 24VDC up to 2.7A (62W).  
Combined output not to exceed 62W.
- Pass-through Ethernet Port (data only).

- 12VDC battery charger for Lithium Iron Phosphate Battery (LiFePO<sub>4</sub> only). Unique technology allows for single battery to backup. 12VDC and/or 24VDC systems.
- Loss of PoE Input.
- Battery Supervision
- Indicators (LED)  
Input - Indicates input voltage is present.  
Output - Indicates normal operating condition.  
PoE Type - PoE Class Indicator  
Supervision - PoE Fail or BAT Fail.

# TANGO POE DRIVEN ACCESS POWER CONTROLLER

## Tango8A(CB)

### ACMS8/ACMS8CB Access Power Controller:

#### Inputs:

12VDC and 24VDC from Tango1B, factory wired.

Current Consumption: 0.6A @ 12V, 0.3A @ 24V with all relays energized

Main Fuse Rating: 15/32A.

#### Trigger Inputs:

Eight (8) individually controlled trigger inputs:

- Normally open (NO) inputs.
- Normally closed (NC) inputs.
- Open collector sink inputs.
- Wet Input (5VDC - 24VDC) with 10K resistor.
- Any combination of the above.

#### Outputs:

**Tango8A:** Eight (8) Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.

**Tango8ACB:** Eight (8) PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings.

Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:

- Fail-Safe and/or Fail-Secure power outputs.
- Form "C" Relays. 28VAC or VDC @ 2.5A Rated.
- Auxiliary power outputs (unswitched).
- Any combination of the above.

Any of the eight (8) power outputs are selectable for 12VDC or 24VDC.

Individual outputs may be set to OFF position for servicing.

#### Output Ratings:

Fuses are rated 2.5A each, PTCs are rated at 2A.

#### Fire Alarm Disconnect:

**Supervised** Latching or non-latching, individually selectable for any or all of the eight (8) outputs.

**EOL** 10K Resistor.

#### Indicators (LED):

**Red LEDs:** Outputs are triggered (relays energized).

**Blue LEDs:** FACP disconnect is triggered.

**Voltage LEDs:** 12VDC (Green), 24VDC (Red).

## Tango8AP(CB) includes ACMS8(CB)

### PDS8/PDS8CB Power Distribution Module:

#### Inputs:

12VDC and 24VDC from Tango1B, factory wired.

Main Fuse Rating 10A/32V.

#### Outputs:

**Tango8AP:** Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.

**Tango8APCB:** PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

# TANGO POE DRIVEN ACCESS POWER CONTROLLER

## PDS8/PDS8CB Power Distribution Module (cont'd):

Do not exceed the individual power supply ratings.  
Any of the eight (8) power outputs are selectable for  
12VDC or 24VDC.  
Individual outputs may be set to OFF position for servicing.

## Indicators (LED):

DC Output Individual voltage LEDs indicate  
12VDC (Green) or 24VDC (Green and Red).



## Features:

- 802.3bt PoE up to 90W or 802.3at up to 30W or 802.3af up to 15W
- Power Output (when using 802.3bt 90W)  
12VDC up to 6.25A (PDS8=72W, ACMS8=65W),  
and/or 24VDC up to 3A (PDS8=72W, ACMS8=65W).  
Combined output not to exceed 72W/65W.
- When charging batteries:  
12VDC up to 5.4A (PDS8=65W, ACMS8=55W)  
and/or 24VDC up to 2.7A (PDS8=65W, ACMS8=55W).  
Combined output not to exceed 65W/55W.
- Pass-through Ethernet Port (data only).
- 12VDC battery charger for  
Lithium Iron Phosphate Battery (LiFePO<sub>4</sub> only).  
Unique technology allows for single battery to backup.  
12VDC and/or 24VDC systems.

- Loss of PoE Input.
- Battery Supervision
- Indicators (LED)  
Input - Indicates input voltage is present.  
Output - Indicates normal operating condition.  
PoE Type - PoE Class Indicator  
Supervision - PoE Fail or BAT Fail.
- Dimensions: 15.5"H x 12"W x 4.5"D

# TANGO POE DRIVEN MULTI-OUTPUT POWER SUPPLY

## Tango8P(CB)

- 12VDC and 24VDC from Tango1B, factory wired.
- Main Fuse Rating - 10A/32V.
- Outputs
  - Tango8P:** Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.
  - Tango8PCB:** PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.
- Do not exceed the individual power supply ratings.
- Any of the eight (8) power outputs are selectable for 12VDC or 24VDC.

- Individual outputs may be set to OFF position for servicing.
- Indicators (LED)
  - Individual voltage LEDs
  - Green: 12VDC
  - Green and Red: 24VDC.



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## Features:

- 802.3bt PoE up to 90W or 802.3at up to 30W or 802.3af up to 15W
- Power Output (when using 802.3bt 90W)
  - 12VDC up to 6.25A (72W), and/or 24VDC up to 3A (72W).
  - Combined output not to exceed 72W.
- When charging batteries:
  - 12VDC up to 5.4A (62W) and/or 24VDC up to 2.7A (62W).
  - Combined output not to exceed 62W.
- Pass-through Ethernet Port (data only).
- 12VDC battery charger for Lithium Iron Phosphate Battery (LiFePO<sub>4</sub> only). Unique technology allows for single battery to backup. 12VDC and/or 24VDC systems.
- Loss of PoE Input.
- Battery Supervision
- Indicators (LED)
  - Input - Indicates input voltage is present.
  - Output - Indicates normal operating condition.
  - PoE Type - PoE Class Indicator
  - Supervision - PoE Fail or BAT Fail.
- Dimensions: 15.5"H x 12"W x 4.5"D



# Strikelt PANIC DEVICE POWER CONTROLLERS

## Strikelt1

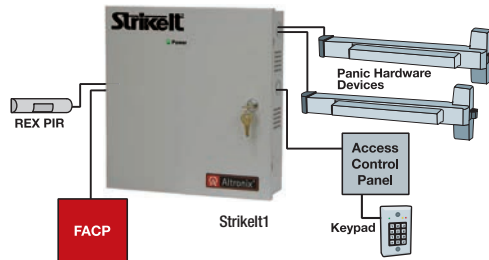
- UL Listed in the U.S. and Canada for Access Control and CSFM Approved.
- Two (2) 20VDC to 26.4VDC individually controlled lock outputs for applications with battery backup.  
24VDC for applications without battery backup (U.S. only).
- Current rating 15 amp for 300ms, 0.75 continuous supply current.
- One (1) 20VDC to 26.4VDC aux. output rated at 0.75 amp for applications with battery backup. 24VDC for applications (in U.S.) not requiring battery backup.
- Selectable timed lock release from 1 sec. to 30 seconds.
- One (1) 12VDC filtered and regulated output rated @ 0.75 amp.
- Two (2) delayed follower relays control automatic door operators.
- Two (2) follower relays can be used to indicate doors have been released.
- Two (2) programmable Fire Alarm Disconnect options:
  - a) Removes power to outputs and disables delayed follower relays.
  - b) Connects power to lock outputs and enables delayed follower relays.
- LED indicators monitor: lock status, lock wiring trouble conditions (open or short circuit), FACP trigger input and battery.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

## Strikelt2:

- UL Listed in the U.S. and Canada for Access Control and CSFM Approved.
- One (1) 24VDC controlled lock output rated @ 16 amp for 300ms.
- One (1) 24VDC regulated auxiliary output rated @ .5 amp.
- One (1) N/O trigger input.
- LED indicates presence of 24VDC.
- Fits two (2) 12VDC/4AH batteries.

Enclosure dimensions: 8.25"H x 7.5"W x 3.5"D



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## Features:

- Designed to handle the high current surge panic hardware locking device(s) demand.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.

- Short circuit and thermal overload protection.
- AC power LED indicator.
- 115VAC 50/60Hz. input.
- Includes cam lock and battery leads.



# Strikelt PANIC DEVICE POWER CONTROLLERS

*Power Controller for Motorized Locking Devices*

## Strikelt4

- Two (2) 19.8VDC-26.4VDC rated individually controlled lock outputs configurable for fail-secure or fail-safe electronic locking hardware for applications with battery back-up.
- Two (2) Normally Open (N.O.) trigger inputs (Input 1 and Input 2).
- FACP Normally Closed (N.C.) input.



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### Features:

- Designed to handle the high current surge panic hardware locking device(s) demand.
- Built-in charger for sealed lead acid or gel type batteries.
- Input 115VAC, 60Hz, 2.5A or 230VAC, 50Hz, 1.5A.
- Two normally open ADA inputs for special mode of interfacing with automatic door operators.
- One (1) 19.8VDC-26.4VDC @ 0.8A rated filtered regulated auxiliary output for applications with battery back-up, 24VDC-26.4VDC @ 0.8A rated for applications in US not requiring battery back-up. Not affected by FACP trigger.
- One (1) 12VDC filtered regulated auxiliary output rated 0.5A. Not affected by FACP trigger.
- Two (2) follower Normally Open relay outputs for controlling ADA actuators/accessories rated 28VDC @ 0.5A.
- Two momentary door operator activation relay outputs.
- Trouble relay output indicating low AC voltage trouble and battery trouble.
- Built-in charger for sealed lead acid batteries.
- Automatic switch over to stand-by battery when AC fails.
- LED indicators:
  - AC Power LED indicates AC presence.
  - Trigger output LEDs indicate panic device status / opened (activated, short circuit).
  - Fire Alarm Interface (FAI) indicates FACP interface is activated.
  - Battery LED indicates low battery during AC failure and battery test.
  - AC status LED indicates loss of AC power.

## DISTRIBUTED CONTROL PANEL POWER UNITS

### *Eight (8) Output*

#### **AL168CB**

- 6 amp @ 16VAC or 5.5 amp @ 18VAC.
  - Eight (8) PTC protected power outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### **AL168175CB**

- 10 amp @ 16VAC.
  - Eight (8) PTC protected power outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### **AL168300CB**

- 18 amp @ 16VAC or 16 amp @ 18VAC.
  - Eight (8) PTC protected power outputs.
  - Includes cam lock.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **AL168300CBM**

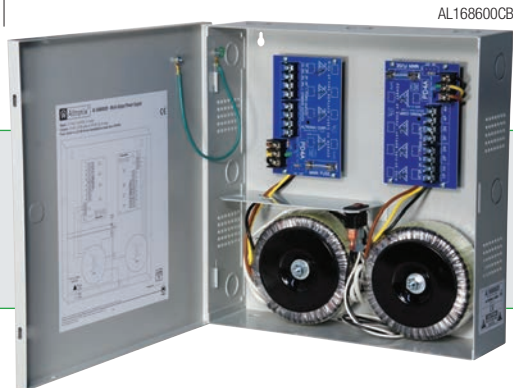
- 18 amp @ 16VAC or 16 amp @ 18VAC.
  - Eight (8) PTC protected power outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.75"D

#### **AL168600CB**

- 40 amp @ 16VAC or 36 amp @ 18VAC.
  - Eight (8) PTC protected power outputs.
  - Includes cam lock.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **Features:**

- CE Approved.
- 115VAC 50/60Hz. input.
- Surge suppression.
- Illuminated master power switch (AL168CB has power ON/OFF switch).
- Short circuit and thermal overload protection.
- AC power LED indicator.



## TRIPLE VOLTAGE POWER SUPPLY/CHARGERS

### *Three (3) Output*

#### AL400UL3

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CSFM Approved.
  - Simultaneous power outputs:  
1.75 amp @ 5VDC, 1.75 amp @ 12VDC, and 1.5 amp @ 24VDC.
  - Three (3) Class 2 Rated power-limited outputs.
  - Fits two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### AL400UL3X

- AL400UL3 with larger enclosure.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

#### AL600UL3

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CSFM Approved.
  - Simultaneous power outputs:  
1.75 amp @ 5VDC, 1.75 amp @ 12VDC, and 3 amp @ 24VDC.
  - Three (3) total outputs:  
Class 2 Rated power-limited outputs (5VDC & 12VDC),  
non power-limited output (24VDC).
  - Fits two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### AL600UL3X

- AL600UL3 with larger enclosure.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

AL600UL3

#### Features:

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



(Batteries optional - order separately)



With optional LINQ2  
you can monitor,  
control and report power.

**eFLOW™**

Next generation power... with management



## ENHANCED POWER SUPPLY/CHARGERS

### Single Output

#### eFlow3N

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC or 24VDC @ 2 amp total supply current.
- Class 2 Rated power-limited outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

\* For larger enclosure add suffix "X" to model number (i.e. eFlow3NX)

Enclosure accommodates two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"

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### Four (4) Output

#### eFlow3N4

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC or 24VDC @ 2 amp total supply current.
- Four (4) Class 2 Rated fuse protected power-limited outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### eFlow3N4D

- eFlow3N4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

#### Features:

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED POWER SUPPLY/CHARGERS

### Single Output

#### eFlow4N

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms. UL Listed in the U.S. for Fire. CSFM Approved.
  - 12VDC or 24VDC @ 4 amp total supply current.
  - Class 2 Rated power-limited outputs.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

\* For larger enclosure add suffix "X" to model number (i.e. eFlow4NX)  
 Enclosure accommodates two (2) 12VDC/12AH batteries.  
 Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### Eight (8) Output

#### eFlow4N8

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms. UL Listed in the U.S. for Fire. CSFM Approved.
  - 12VDC or 24VDC @ 4 amp total supply current.
  - Eight (8) Class 2 Rated fuse protected power-limited outputs.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### eFlow4N8D

- eFlow4N8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### Features:

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED POWER SUPPLY/CHARGERS

### Single Output

#### eFlow6N

- UL Listed in the U.S. and Canada for Access Control and Burglar Alarms. UL Listed in the U.S. for Fire. CSFM Approved.
  - 12VDC or 24VDC @ 6 amp total supply current.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

\* For larger enclosure add suffix "X" to model number (i.e. eFlow6NX)  
Enclosure accommodates two (2) 12VDC/12AH batteries.  
Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### Eight (8) Output

#### eFlow6N8

- UL Listed in the U.S. and Canada for Access Control and Burglar Systems. UL Listed in the U.S. for Fire. CSFM Approved.
  - 12VDC or 24VDC @ 6 amp total supply current.
  - Eight (8) fuse protected outputs.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### eFlow6N8D

- eFlow6N8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

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#### Features:

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)





## ENHANCED POWER SUPPLY/CHARGERS

### Sixteen (16) Output

#### eFlow6N16

- UL Listed in the U.S. and Canada for Access Control and Burglar Systems. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC or 24VDC @ 6 amp total supply current.
- Sixteen (16) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### eFlow6N16D

- eFlow6N16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### Single Output

#### eFlow102N

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC @ 10 amp total supply current.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D



EFLOW102N8

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#### Features:

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED POWER SUPPLY/CHARGERS

### *Eight (8) Output*

#### **eFlow102N8**

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC @ 10 amp total supply current.
- Eight (8) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **eFlow102N8D**

- eFlow102N8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### *Sixteen (16) Output*

#### **eFlow102N16**

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 12VDC @ 10 amp total supply current.
- Sixteen (16) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **eFlow102N16D**

- eFlow102N16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

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#### **Features:**

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED POWER SUPPLY/CHARGERS

### Single Output

#### eFlow104N1

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 24VDC @ 10 amp total supply current.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

\* For larger enclosure add suffix "X" to model number (i.e. eFlow104NX)

Enclosure accommodates two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"

### 12VDC & 24VDC Output

#### eFlow104NK1

- 24VDC up to 10 amp total supply current and 12VDC up to 6 amp total supply current.\*

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

\*24VDC current availability dependent on 12VDC load.



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#### Features:

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.



- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.

Monitor and control eFlow Series Power Supply/Chargers with LINQ2 - Network Communication Modules (pg. 36)



## ENHANCED POWER SUPPLY/CHARGERS

### *Eight (8) Output*

#### **eFlow104N8**

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 24VDC @ 10 amp total supply current.
- Eight (8) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **eFlow104N8D**

- eFlow104N16 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### *Sixteen (16) Output*

#### **eFlow104N16**

- UL Listed in the U.S. and Canada for Access Control and Burglar. UL Listed in the U.S. for Fire. CSFM Approved.
- 24VDC @ 10 amp total supply current.
- Sixteen (16) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **eFlow104N16D**

- eFlow104N16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

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#### **Features:**

- 120VAC 60Hz. input.
- Built-in supervised fire alarm disconnect.
- Additional aux. power-limited output rated @ 1 amp (unswitched).
- Over voltage protection - guards against equipment damage.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Low power cutoff - protects stand-by batteries from deep discharge.
- Power LED visible on the enclosure door.
- AC fail, low battery and battery presence supervision.
- Built-in charger for sealed lead acid or gel type batteries.



- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.



EFLOW104N16D

## 300 SERIES POWER SUPPLY/CHARGERS

### Single Output

#### AL300ULX

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CSFM Approved.
- 2.5 amp @ 12VDC or 24VDC.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

#### AL300ULXD

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CE Approved.
- Selectable Input 115VAC or 220VAC.
- 2.5 amp @ 12VDC or 24VDC.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D



### Four (4) Output

#### AL300ULPD4

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 2.5 amp @ 12VDC or 24VDC.
- Four (4) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

#### AL300ULPD4CB

- AL300ULPD4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

### Eight (8) Output

#### AL300ULPD8

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 2.5 amp @ 12VDC or 24VDC.
- Eight (8) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

#### AL300ULPD8CB

- AL300ULPD8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### Features:

- 115VAC 60Hz input (except for AL300ULXD).
- Class 2 Rated power-limited output(s).
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.



- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision (AL300ULXD has AC fail and low battery supervision only).
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

\* For red enclosure add suffix "R" to model number.

## 300 SERIES POWER SUPPLY/CHARGERS

*Sixteen (16) Output*

### AL300ULXPD16

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 2.5 amp @ 12VDC or 24VDC.
- Sixteen (16) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL300ULXPD16CB

- AL300ULXPD16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

#### Features:

- 115VAC 60Hz. input.
- Class 2 Rated power-limited output(s).
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

\* For red enclosure add suffix "R" to model number.



## 400 SERIES POWER SUPPLY/CHARGERS

### Single Output

#### AL400UL

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.  
CSFM Approved.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Single Class 2 Rated power-limited output.
- AC fail and low battery supervision.

Enclosure dimensions: 12.25"H x 7.5"W x 4.5"D

#### AL400ULX

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.  
CSFM Approved.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Single Class 2 Rated power-limited output.
- AC fail, low battery and battery presence supervision.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

\* For red enclosure add suffix "R" to model number.

#### Features:

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.



## 400 SERIES POWER SUPPLY/CHARGERS

### *Four (4) Output*

#### **AL400ULPD4**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Four (4) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

#### 108 **AL400ULPD4CB**

- AL400ULPD4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

### *Eight (8) Output*

#### **AL400ULPD8**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Eight (8) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

#### **AL400ULPD8CB**

- AL400ULPD8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### *Sixteen (16) Output*

#### **AL400ULXPD16**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Sixteen (16) Class 2 Rated fuse protected power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

#### **AL400ULXPD16CB**

- AL400ULXPD16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### **Features:**

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.



- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.



## 600 SERIES POWER SUPPLY/CHARGERS

### Single Output

#### AL600ULX

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Fire. CSFM Approved.
- 6 amp @ 12VDC or 24VDC.
- Single non power-limited output.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### AL600ULXD

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Fire. CE Approved.
- Selectable Input 115VAC or 220VAC.
- 6 amp @ 12VDC or 24VDC.
- Single non power-limited output.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D



#### Features:

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.



AL600ULX

(Batteries optional - order separately)

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## 600 SERIES POWER SUPPLY/CHARGERS

*Four (4) Output***AL600ULPD4**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire.
- 6 amp @ 12VDC or 24VDC.
- Four (4) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**AL600ULPD4CB**

- AL600ULPD4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

*Eight (8) Output***AL600ULPD8**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire
- 6 amp @ 12VDC or 24VDC.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**AL600ULPD8CB**

- AL600ULPD8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

*Sixteen (16) Output***AL600ULXPD16**

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire
- 6 amp @ 12VDC or 24VDC.
- Sixteen (16) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

**AL600ULXPD16CB**

- AL600ULPD16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz. input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.



- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.

## 1024 SERIES POWER SUPPLY/CHARGERS

### Single Output

#### AL1024ULX

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire. CSFM and FM Approved.
- 10 amp @ 24VDC supply current.
- Single non power-limited output.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

### Four (4) Output

#### AL1024ULXPD4

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire.
- 10 amp @ 24VDC supply current.
- Four (4) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

#### AL1024ULXPD4CB

- AL1024ULXPD4 with Four (4) Class 2 Rated PTC protected power-limited outputs.

### Eight (8) Output

#### AL1024ULXPD8

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire.
- 10 amp @ 24VDC supply current.
- Eight (8) fuse protected non power-limited outputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

#### AL1024ULXPD8CB

- AL1024ULXPD8 with Eight (8) Class 2 Rated PTC protected power-limited outputs.

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### Features:

- 115VAC 60Hz. input.
- 8 amp @ 24VDC supply current with 10 amp during alarm for fire alarm applications.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.

(Batteries optional - order separately)



## 1024 SERIES POWER SUPPLY/CHARGERS

*Sixteen (16) Output*

### AL1024ULXPD16

- UL Listed in the U.S. and Canada for Access Control.  
UL Listed in the U.S. for Fire.
  - 10 amp @ 24VDC supply current.
  - Sixteen (16) fuse protected non power-limited outputs.
  - Fits two (2) 12VDC/12AH batteries.
- Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

### AL1024ULXPD16CB

- AL1024ULXPD16 with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

#### Features:

- 115VAC 60Hz. input.
- 8 amp @ 24VDC supply current with 10 amp during alarm for fire alarm applications.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.

For red enclosure add suffix "R" to model number.



# POWER DISTRIBUTION MODULE WITH FIRE ALARM INTERFACE

## MOM5

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire.
  - Current limit is 2 amp @ 12VDC or 24VDC per output.
  - Five (5) Class 2 Rated PTC protected power-limited outputs.
- Board dimensions: 3.5"L x 5.25"W x 1"H



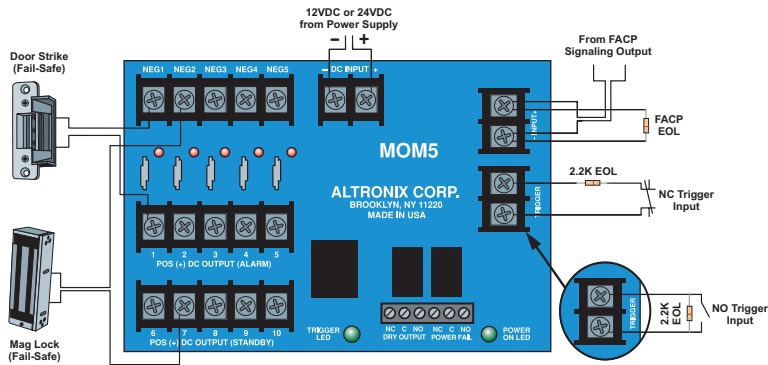
## MOM5C

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire. CSFM Approved.
  - Current limit is 2 amp @ 12VDC or 24VDC per output.
  - Five (5) Class 2 Rated PTC protected power-limited outputs.
- Enclosure dimensions: 8.5"H x 7.25"W x 3.5"D



### Features:

- Provides power for Fail-Safe and/or Fail-Secure locking devices.
- Fire Alarm Panel or Access Control System trigger inputs. [NO] or [NC] supervised trigger input and/or polarity reversal trigger.
- Red LED's indicate condition of each power output.
- Power & input trigger LED's.



## POWER SUPPLY/CHARGERS WITH FIRE ALARM INTERFACE

### *Five (5) Output*

#### AL300ULM

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CSFM Approved.
- 2.5 amp @ 12VDC or 24VDC.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

#### AL400ULM

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Burglar Alarms, Fire and Nurse Call. CSFM Approved.
- 4 amp @ 12VDC or 3 amp @ 24VDC.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

#### AL600ULM

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire. CSFM Approved.
- 6 amp @ 12VDC or 24VDC.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

#### AL1024ULM

- UL Listed in the U.S. and Canada for Access Control. UL Listed in the U.S. for Fire. CSFM Approved.
- Access Control Applications:  
10 amp @ 24VDC supply current.
- Fire Alarm Applications:  
8 amp @ 24VDC supply current with 10 amp during alarm.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

\* For red enclosure add suffix "R" to model number.

AL600ULM



(Batteries optional - order separately)

#### Features:

- Five (5) Class 2 Rated PTC protected power-limited outputs.
- Provides power for Fail-Safe and/or Fail-Secure locking devices.
- Fire Alarm Panel or Access Control System trigger inputs. [NO] or [NC] supervised trigger input and/or polarity reversal trigger.
- Red LED's indicate condition of each power output.
- Power & input trigger LED's.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- Zero voltage drop upon transfer to battery backup.
- Automatic switch over to stand-by battery when AC fails.
- AC fail, low battery, and battery presence supervision.
- AC input and DC output LED indicators.
- Includes cam lock and battery leads.



## FACP ADAPTERS FOR NETWORK IP DOOR CONTROLLERS

### Entrada2DMK (kit)

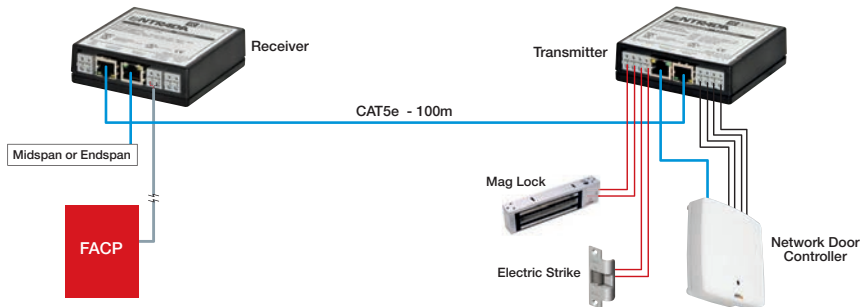
- UL Listed in the U.S. and Canada for Access Control, and Information Technology Equipment, CSFM and CE Approved.
- Facilitates the release of locking devices in the event of a fire alarm condition without the added costs of running additional cables and having to deploy more power supplies and fire relays.
- Supervised (N.O. or N.C.) fire alarm disconnect releases locking devices while maintaining PoE to the network door controller(s).
- A single FACP connection links multiple units.
- Fire Alarm Disconnect is selectable by output.
- Power outputs are selectable for 12VDC or 24VDC mag locks or strikes.

- Total current available: 1250mA @ 12VDC or 625mA @ 24VDC.
- Two (2) independent 12VDC-24VDC access control trigger inputs.
- PoE+ (802.3at) compliant.
- Built-in overload protection.
- Electronically filtered and regulated outputs.
- Transmitter provides power and data for network door controllers.
- Includes one (1) Entrada2DMR Receiver and one (1) Entrada2DMT Transmitter.

### Entrada2DMT

- IP Access Transmitter.

### TYPICAL APPLICATION:





Outputs are programmable  
for 8 Class B, 4 Class A  
or Aux power.

 **FIRESWITCH**<sup>®</sup>

Networked NAC Power Extenders



# FIRE SWITCH<sup>®</sup> NETWORKED NAC POWER EXTENDERS

## FireSwitch108

- UL Listed in the U.S. and Canada for Fire, CSFM Approved.
- 24VDC voltage regulated power-limited NAC outputs.
- Power outputs are programmable as:
  - Eight (8) Class B NAC outputs
  - Four (4) Class A NAC outputs
  - Aux. power outputs
  - Any combination of the above.
- 2.5 amp max current per output.
- One (1) Aux. output rated at 1 amp.

- Output power:
  - 10 amp max total alarm current
  - 7 amp max stand-by without battery backup
  - 1 amp with battery backup including dedicated aux. output
- Two (2) configurable inputs trigger via Class A or Class B FACP signal circuits (polarity reversal) or dry contacts.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:  
15.5"H x 12.23"W x 4.5"D

## Features:

- LCD display and ethernet port facilitates local or remote programming and status monitoring.
- EOL resistor value programmable by output.
- Battery presence and low battery supervision.
- Signal circuit trouble memory - facilitates quickly locating intermittent system trouble and eliminates costly and unnecessary service calls.
- 2-wire horn/strobe sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate.
- Built-in Cooper<sup>®</sup>, Gentex<sup>®</sup>, Potter<sup>®</sup> and System Sensor<sup>®</sup> sync protocols.

- Temporal Code 3, Steady Mode, Input to Output Follower Mode.
- Temporal Code 4 for system CO alarms.
- Thermal and short circuit protection with auto reset.
- Compatible with 12VDC or 24VDC fire panels.
- Common trouble inputs and outputs.
- Ground fault detection.
- AC fail, low battery and battery presence supervision.
- 115VAC 60Hz. input.
- Includes cam lock and battery leads.



## NAC POWER EXTENDERS

**AL602ULADA**

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
- 6.5 amp @ 24VDC.
- Two (2) Class A or four (4) Class B outputs with built-in sync protocols.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

**AL802ULADA**

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
- 8 amp @ 24VDC.
- Two (2) Class A or four (4) Class B outputs with built-in sync protocols.
- Two (2) NC dry contact trigger inputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

**AL1002ULADA**

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
- 10 amp @ 24VDC.
- Two (2) Class A or four (4) Class B outputs with built-in sync protocols.
- Two (2) NC dry contact trigger inputs.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions:

15.5"H x 12.23"W x 4.5"D

**Features:**

- Two (2) Class A or two (2) Class B FACP inputs.
- Two (2) NC dry contact trigger inputs.
- Two (2) Class B outputs may be paralleled for more power on an indicating circuit.
- One (1) aux. power output @ 1 amp supply current (with battery back up).
- Signal circuit trouble memory - facilitates quickly locating intermittent system trouble and eliminates costly and unnecessary service calls. LEDs indicate a prior fault (short, open, ground) has occurred on one or more signaling circuit outputs.
- 2-wire horn/strobe sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate.
- Built-in Cooper®, Gentex®, Potter® and System Sensor® sync protocols.

- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliance circuits).
- Compatible with 12VDC or 24VDC fire panels.
- Common trouble inputs and outputs.
- Ground fault detection.
- AC fail, low battery and battery presence supervision.
- 115VAC 60Hz. input.
- Includes cam lock and battery leads.



(Batteries optional - order separately)

All above models are available in larger enclosure.  
Add suffix "J" to model number (i.e. AL802ULADAJ).

## NAC POWER EXTENDERS

### AL642ULADA

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
  - 6.5 amp @ 24VDC.
  - Four (4) Class A or four (4) Class B outputs with built-in sync protocols.
  - Fits two (2) 12VDC/17AH batteries.
- Enclosure dimensions:  
18"H x 14.5"W x 4.625"D

### AL842ULADA

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
  - 8 amp @ 24VDC.
  - Four (4) Class A or four (4) Class B outputs with built-in sync protocols.
  - Fits two (2) 12VDC/17AH batteries.
- Enclosure dimensions:  
18"H x 14.5"W x 4.625"D

### AL1042ULADA

- UL Listed in the U.S. for Fire, UL 864 9th edition, CSFM and FM Approved.
  - 10 amp @ 24VDC.
  - Four (4) Class A or four (4) Class B outputs with built-in sync protocols.
  - Fits two (2) 12VDC/17AH batteries.
- Enclosure dimensions:  
18"H x 14.5"W x 4.625"D

### Features:

- Two (2) Class A or two (2) Class B FACP inputs.
- Two (2) NC dry contact trigger inputs.
- Two (2) Class B outputs may be paralleled for more power on an indicating circuit.
- One (1) aux. power output @ 1 amp supply current (with battery back up).
- One (1) aux. power output @ 1 amp supply current (without battery back up).
- Signal circuit trouble memory-facilitates quickly locating intermittent system trouble and eliminates costly and unnecessary service calls. LEDs indicate a prior fault (short, open, ground) has occurred on one or more signaling circuit outputs.
- 2-wire horn/strobe sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate.
- Built-in Cooper®, Gentex®, Potter® and System Sensor® sync protocols.

- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliance circuits).
- Compatible with 12VDC or 24VDC fire panels.
- Ground fault detection.
- AC fail, low battery and battery presence supervision.
- 115VAC 60Hz. input.
- Includes cam lock and battery leads.



AL842ULADA



(Batteries optional - order separately)



Extend ethernet  
range 5x the  
distance without  
repeaters.

**PACE**<sup>™</sup>

Long Range Ethernet Adapters

# PACE

## EXTEND ETHERNET RANGE 5X THE DISTANCE

*Long Range Ethernet Adapters - Pass PoE/PoE+*

### Pace1PRMT (kit)

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Single port extended ethernet kit.
- Units also support single UTP up to 150m.
- *Includes one (1) Pace1PRM receiver and one (1) Pace1PTM transceiver - may be ordered separately.*



PACE1PRMT

### Pace1STR (kit)

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Single port extended ethernet kit.
- *Includes one (1) Pace1PRM receiver and one (1) Pace1ST mini transceiver - may be ordered separately.*



PACE1STR

121

### Features:

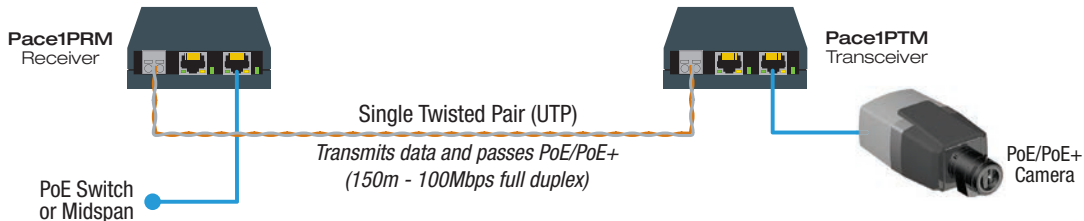
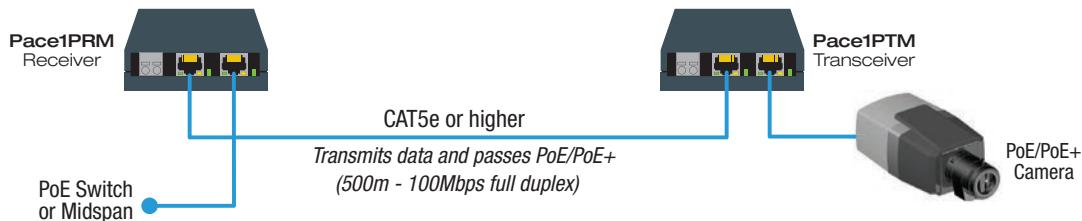
- Deploy IP cameras/edge devices up to 500m over CAT5e without repeaters.
- Data rate 100Mbps full duplex.
- Passes PoE/PoE+ generated from midspan/endspan.



- *Multi-port units compatible with Pace1PTM & Pace1ST transceiver.*
- PoE (802.3af) and PoE+ (802.3at) compliant.
- Auto detection and protection of legacy non-PoE cameras/devices.
- LEDs indicate power, activity and link status.



EXTEND ETHERNET RANGE 5X THE DISTANCE

**Pace1PRMT UTP Application:****Pace1PRMT CAT5e Application:**



## EXTEND ETHERNET RANGE 5X THE DISTANCE

*Long Range Ethernet Adapters - Pass PoE/PoE+*

### Pace1PRM

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Single port receiver.

### Pace4PRM

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Four (4) port receiver.



PACE4PRM

### Pace8PRM

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Eight (8) port receiver.

### Pace16PRM

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Sixteen (16) port receiver.



PACE16PRM

### Compatible Transceivers:

#### Pace1PTM

- Single port transceiver.
- Operates with single and multi-port Pace receivers.
- Also supports single UTP up to 150m.
- Hardened to operate at wider temperature range.



PACE1PTM

Dimensions: 3.5"W x 3.5"D x 1"H

#### Pace1ST

- Single port mini transceiver.
- More compact design for tighter spaces.
- Operates with single and multi-port Pace receivers.
- Hardened to operate at wider temperature range.



PACE1ST

Dimensions: 2.27"W x 2.645"D x 1.12"H

123

### Features:

- Deploy IP cameras/edge devices up to 500m over CAT5e without repeaters.
- Data rate 100Mbps full duplex.
- Passes PoE/PoE+ generated from midspan/endspan.



- PoE (802.3af) and PoE+ (802.3at) compliant.
- Auto detection and protection of legacy non-PoE cameras/devices.
- LEDs indicate power, activity and link status.

# eBridge<sup>™</sup> PLUS

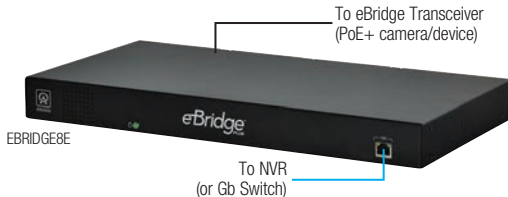
## ETHERNET OVER COAX

*Managed Ethernet over Coax PoE+ Switch (25Mbps)*

### eBridge8E

- Eight (8) port receiver with Integral PoE+ Switch.
- Data rate 25Mbps.
- One (1) Gigabit Uplink.
- 30W full power per port (240W of total power).

124



### Compatible Transceivers:

#### eBridge1PCTX

- Single port transceiver.
- Operates with single and multi-port eBridge (25Mbps) receivers.
- Hardened to operate at wider temperature range.

#### eBridge1ST

- Single port mini transceiver.
- More compact design for tighter spaces.
- Operates with single and multi-port eBridge (25Mbps) receivers.
- Hardened to operate at wider temperature range.



### Features:

- Deploy IP cameras/edge devices up to 500m over coax without repeaters.
- Generates PoE/PoE+ up the coax to an eBridge transceiver.
- Eliminates the costs and labor associated with installing new network cabling.
- Control, monitor and report power/diagnostics from anywhere over the network.
- Built-in battery charger (Optional rack mount battery enclosure available - model RE2)
- 115VAC/230VAC input.
- Compact 1U EIA 19" rack mount chassis.





# eBridge<sup>PLUS</sup> ETHERNET OVER COAX

*Managed Ethernet over Coax PoE+ Switch (100Mbps)*

## eBridge800E

- Eight (8) port receiver with Integral PoE+ Switch.
- Data rate 100Mbps.
- Two (2) 1 Gigabit Uplink.
- 30W full power per port (240W of total power).

To NVR  
(or Gb Switch)



To eBridge Transceiver  
(PoE+ camera/device)

EBRIDGE800E

## Compatible Transceivers:

### eBridge100TM

- Single port transceiver.
- Operates with single and multi-port eBridge (100Mbps) receivers.
- Hardened to operate at wider temperature range.

### eBridge100ST

- Single port mini transceiver.
- More compact design for tighter spaces.
- Operates with single and multi-port eBridge (100Mbps) receivers.
- Hardened to operate at wider temperature range.



EBRIDGE100ST

125

## Features:

- Deploy IP cameras/edge devices up to 300m over coax without repeaters.
- Generates PoE/PoE+ up the coax to an eBridge transceiver.
- Eliminates the costs and labor associated with installing new network cabling.
- Control, monitor and report power/diagnostics from anywhere over the network.
- Built-in battery charger (Optional rack mount battery enclosure available - model RE2)
- 115VAC/230VAC input.
- Compact 1U EIA 19" rack mount chassis.



# eBridge™ PLUS

## ETHERNET OVER COAX

*EoC Adapters - Pass PoE/PoE+ (100Mbps)*

### eBridge100RMT (kit)

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Single port EoC adapter kit.
- Includes one (1) eBridge100RM receiver and one (1) eBridge100TM transceiver - may be ordered separately.

### eBridge100STR (kit)

- UL Listed in the U.S. & Canada for I.T.E., CE & C-Tick Approved.
- Single port EoC adapter kit.
- Includes one (1) eBridge100RM receiver and one (1) eBridge100ST mini transceiver - may be ordered separately.

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### Features:

- Deploy IP cameras/edge devices up to 300m over coax without repeaters.
- Cost effective solution to upgrade and expand security and surveillance utilizing coax.
- Eliminates labor and costs of deploying new cable.
- Data rate 100Mbps full duplex.
- Passes PoE/PoE+ generated from midspan.
- IEEE 802.3af (15W) and IEEE 802.3at (30W) compliant.
- Hardened to operate at wider temperature range.
- LEDs indicate Power, Coax link and IP link status.



### Receivers:

#### eBridge100RM

- Single port receiver.

#### eBridge400PCRM

- Four (4) port receiver.

#### eBridge800PCRM

- Eight (8) port receiver.

#### eBridge1600PCRM

- Sixteen (16) port receiver.



EBRIDGE400PCRM



EBRIDGE800PCRM

### Transceivers:

#### eBridge100TM

- Single port transceiver.
- Operates with single and multi-port eBridge (100Mbps) receivers.

#### eBridge100ST

- Single port mini transceiver.
- Operates with single and multi-port eBridge (100Mbps) receivers.
- More compact design for tighter spaces.

# eBridge<sup>PLUS</sup> ETHERNET OVER COAX/CAT5E

## *EoC/CAT5e Outdoor Solution (100Mbps)*

### **eBridge200WPM**

- UL Listed in the U.S. and Canada for I.T.E., CE Approved.
- Two (2) port Transceiver supports a single Hi-PoE (60W) camera/device or two (2) PoE+ cameras/devices over CAT5e/6 or coax.
- Passes PoE, PoE+ or Hi-PoE (60W).
- Built-in IP management allows for remote camera reset, monitoring and reporting via various IP protocols.
- System events report via Email notifications (instant or delayed).

### **eBridge200WPMH**

- eBridge200WPM with three (3) 5/8" wiring inlets, includes NEMA rated glands.

### **Features:**

- Deploy IP cameras/edge devices up to 300m over coax or 500m over CAT5e without repeaters.
- Cost effective solution to upgrade and expand security and surveillance utilizing coax or CAT5e (or higher).
- Data rate 100Mbps full duplex.
- IEEE 802.3af (15W) and IEEE 802.3at (30W) and Hi-PoE (60W) compliant.
- Eliminates labor and costs of deploying new cable.



### *eBridge200WPM compatible Receivers:*

#### **eBridge100SPR**

- Single port receiver required for PoE/PoE+ or Hi-PoE Coax applications.

#### **Pace1PRM**

- Single port receiver required for PoE/PoE+ CAT5 applications.

#### **Pace1PRD**

- Single port receiver required for Hi-PoE CAT5 applications.

#### **NetWay1D**

- Single port injector required for Hi-PoE applications.

127

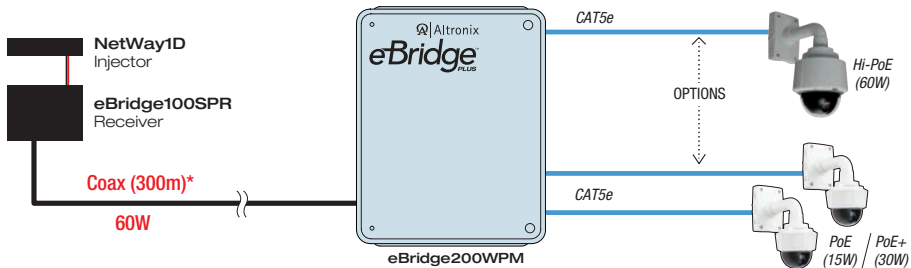


*PMK1 - Pole Mount Kit available, see pages 183, 209*

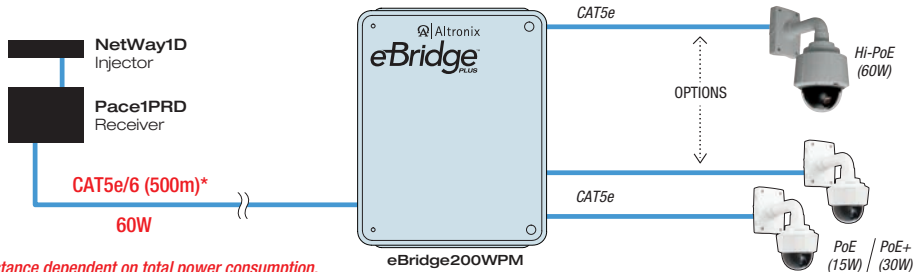
EBRIDGE200WPM

# eBridge<sup>PLUS</sup> ETHERNET OVER COAX

## TYPICAL APPLICATIONS:



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*\*Distance dependent on total power consumption.*

# eBridge<sup>PLUS</sup> ETHERNET OVER COAX

## Single Port Ethernet over Coax Adapters (25Mbps)

### eBridge1PCRT (EoC kit provides PoE)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) compliant.
- Operates at 24VAC or 24VDC.
- Includes one (1) eBridge1PCR receiver and one (1) eBridge1PCT transceiver - may be ordered separately.

### eBridge1PCRTX (EoC kit provides PoE+)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Operates at 24VDC to 56VDC.
- Includes one (1) eBridge1PCR receiver and one (1) eBridge1PCTX transceiver - may be ordered separately.

### eBridge1STR (EoC kit passes PoE+)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Includes one (1) eBridge1PCR receiver and one (1) eBridge1ST transceiver - may be ordered separately

### eBridge1PCRMT (EoC kit passes PoE+)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Designed to pass PoE/PoE+ up the coax from any midspan or endspan.
- Includes one (1) eBridge1PCR receiver and one (1) eBridge1PCTX transceiver - may be ordered separately.

129

### Features:

- Transmits IP video/data and power over existing coax cable up to 500m without repeaters.
- Eliminates labor and costs of deploying new cable.
- Hardened to operate at wider temperature range.
- Supports IP cameras and access control devices.
- Incorporates \*sloc™ (Security Link over Coax) technology.
- Throughput is rated to pass 25mbps of data.



- Ethernet Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Connectivity: RJ45, auto-cross-over.
- LEDs indicate Power, Coax link and IP link status.

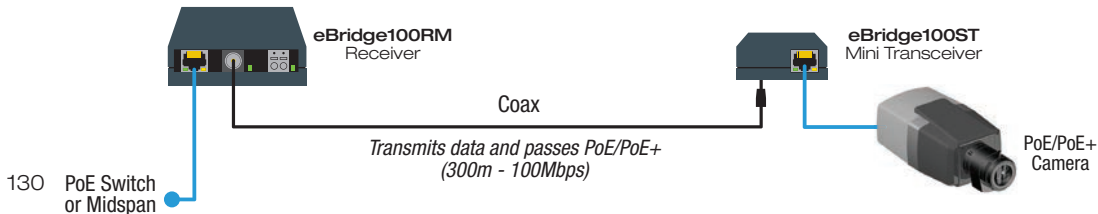
\* sloc is a registered trademark of Intersil Corporation.



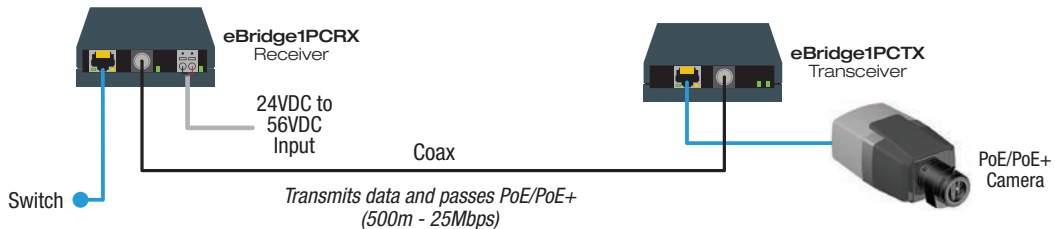
EBRIDGE1PCRTX

# eBridge<sup>PLUS</sup> ETHERNET OVER COAX

## eBridge100STR Application:



## eBridge1PCRTX Application:



# eBridge<sup>TM</sup> PLUS ETHERNET OVER COAX

## Single Port Ethernet over Coax Adapters (25Mbps)

### Receivers:

#### eBridge1PCR (Provides PoE)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) compliant.
- Operates at 24VAC or 24VDC.

#### eBridge1PCRX (Provides PoE+)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Operates at 24VDC to 56VDC.

#### eBridge1PCRM (Passes PoE+)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Designed to pass PoE/PoE+ up the coax from any midspan or endspan.

### Transceivers:

#### eBridge1PCT (PoE compliant)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) compliant.

#### eBridge1PCTX (PoE+ compliant)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.

#### eBridge1ST (PoE+ compliant)

- UL Listed in the U.S. & Canada for I.T.E., CE and C-Tick Approved.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- More compact design for tighter spaces.

131

### Features:

- Transmits IP video/data and power over existing coax cable up to 500m without repeaters.
- Eliminates labor and costs of deploying new cable.
- Hardened to operate at wider temperature range.
- Supports IP cameras and access control devices.



- Incorporates \*sloc<sup>TM</sup> (Security Link over Coax) technology.
- Throughput is rated to pass 25Mbps of data.
- Ethernet Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Connectivity: RJ45, auto-crossover.
- LEDs indicate Power, Coax link and IP link status.

\* sloc is a registered trademark of Intersil Corporation.

# eBridge<sup>PLUS</sup> ETHERNET OVER COAX

## Ethernet over Coax/PoE Receivers (25Mbps)

### eBridge4PCRX

- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Four (4) port receiver.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.



EBRIDGE4PCRX

### eBridge8PCRX

- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Eight (8) port receiver.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Compact 1U EIA 19" rack mount chassis.



EBRIDGE8PCRX

### eBridge16PCRX

- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Sixteen (16) port receiver.
- IEEE 802.3af (15.4W) and IEEE 802.3at (30W) compliant.
- Compact 1U EIA 19" rack mount chassis.

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### Features:

- Transmits IP video/data **and power** over existing coax cable up to 500m without repeaters.
- Ethernet port facilitates programming and status monitoring via LAN or laptop.
- Eliminates labor and costs of deploying new cable.
- Supports IP cameras and access control devices.
- Throughput is rated to pass 25Mbps of data.



- *Multi-port Receivers are compatible with eBridge1PCTX and eBridge1ST transceiver (pg. 89).*
- Ethernet Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Connectivity: RJ45, auto-crossover.
- LEDs indicate Power, Coax link and IP link status.
- Input: 48VDC - 56VDC (use 54V to 56V power supply to achieve full power per .3at standard).

\* sloc is a registered trademark of Intersil Corporation.



# eBridge™ ETHERNET OVER COAX

*Ethernet over Coax Adapters w/composite video connector*

## eBridge1CRT

- Single port adapter kit.
- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Ethernet Distance: up to 100m.
- Powered via 12/24VDC or 16-24VAC.
- Includes one (1) eBridge1CR receiver and one (1) eBridge1CT transceiver - may be ordered separately.

## eBridge1CR

- Single port receiver.

## eBridge1CT

- Single port transceiver.



EBRIDGE1CRT

## *Ethernet over Coax Receivers*

## eBridge4CR

- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Four (4) port receiver.

EBRIDGE4CR



## eBridge16CR

- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.
- Sixteen (16) port receiver.
- Compact 1U EIA 19" rack mount chassis.

### Features:

- Transmits IP video/data over existing coax cable up to 500m without repeaters.
- Allows easy upgrade of legacy coax infrastructure.
- Accommodates individual IP camera(s) with composite video, or multiple IP cameras over a single coax cable.
- Powered via 12/24VDC or 16-24VAC.
- Ethernet Distance: up to 100m



- Incorporates \*sloc™ (Security Link over Coax) technology.
- Throughput is rated to pass 25mbps of data.
- Ethernet Speed: 10/100BaseT, half/full duplex, auto negotiation.
- LEDs indicate Power, Coax link and IP link status.
- Composite video connector(s) - enables simultaneous composite video and IP data.

\* sloc is a registered trademark of Intersil Corporation.

# eBridge<sup>™</sup> PLUS

## ETHERNET OVER COAX

*EoC Kit Enables Four (4) IP Devices Over a Single Coax*

### eBridge4SK (kit)

- Includes an eBridge100SPR and an eBridge4SPT
- UL Listed in the U.S. and Canada for I.T.E., CE Approved, C-Tick Approved.



### Features:

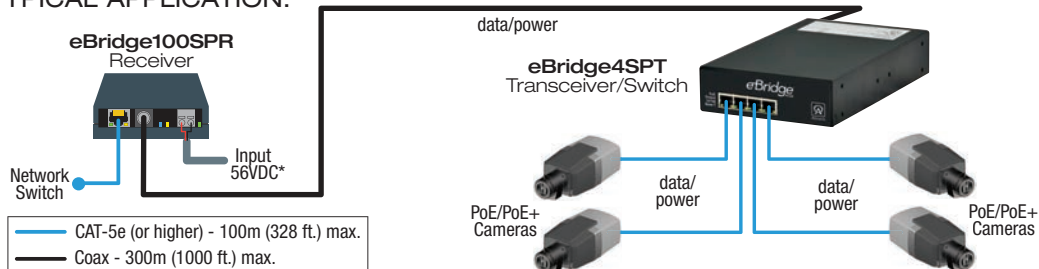
- Transmits up to four (4) IP video/data signals over a single coax up to 300m (3 times max. ethernet distance).
- Facilitates system upgrades from a single analog camera/devices up to four (4) IP cameras/devices.
- Eliminates labor and costs of deploying new cable.
- Built-in IP management, allowing for remote camera reset, monitoring and reporting via various IP protocols.



- PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) compliant.
- Supports IP cameras, accessories and access control devices.
- Data rate 100Mbps full duplex.
- Ethernet Speed: 100BaseT, full duplex, auto negotiation.
- LEDs indicate Power, Coax link and IP link status.
- Input: 48VDC - 56VDC (use 54V to 56V power supply to achieve full power per 802.3at standard).

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### TYPICAL APPLICATION:



# VERTILINE<sup>®</sup> 56VDC POWER SUPPLY/CHARGER

## VertiLine563

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Two (2) 56VDC power outputs @ 3 amp max. each.
- Two (2) separate battery charging circuits.



### Features:

- Provides power for single or multi-port eBridgePLUS receivers or 56VDC devices.
- Power LED indicators.
- Automatic switch over to stand-by battery when AC fails.
- Built-in charger for sealed lead acid or gel type batteries.



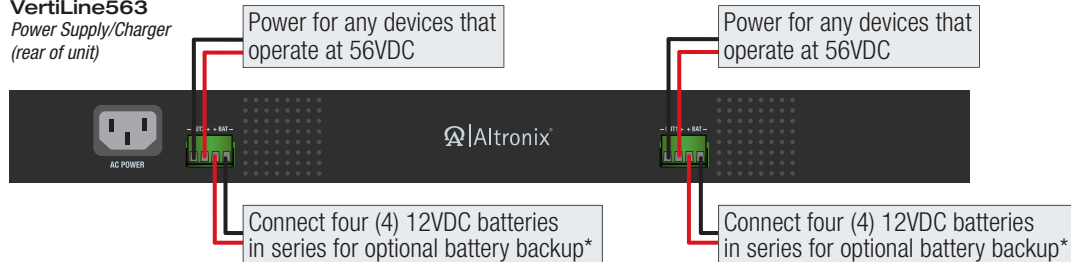
- Optional rack mount battery enclosure (RE2) can be used to accommodate up to four (4) 12VDC/7AH batteries.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

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### TYPICAL APPLICATION:

#### VertiLine563

Power Supply/Charger  
(rear of unit)



\*Altronix offers Rack Mount Battery Enclosure - model **RE2** - to accommodate installation (refer to pg. 210)



# Indoor/Outdoor PoE Switches and Media Converters

**Netway**<sup>®</sup>  
SPECTRUM

Ethernet to Fiber Solutions

# Netway<sup>®</sup> FIBER SOLUTIONS

SPECTRUM

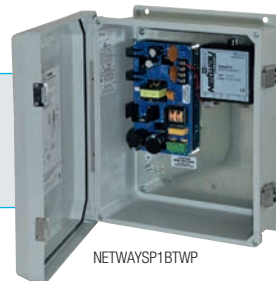
## 802.3bt Media Converter/Injectors

### Features:

- CE Approved.
- One (1) Gigabit SFP port and one (1) Ethernet port rated at 90W max.
- IEEE 802.3af, 802.3at and 802.3bt compliant.
- 10/100/1000 Mbps.

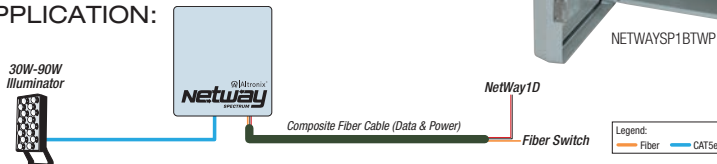


NETWAYSP1BT



NETWAYSP1BTWP

### NETWAYSP1BTWPN APPLICATION:



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NetWay Spectrum Model #	Configuration	Dimensions
NetWaySP1BT	Single port Media Converter/Injector. 48VDC to 56VDC power input.	3.375"L x 3.8"W x 1"H
NetWaySP1BTWPN	Outdoor single port Media Converter/Injector only in NEMA4/4X, IP66-11 enclosure. 48VDC to 56VDC power input.	9.5"H x 7.32"W x 4.92"D
NetWaySP1BTWP	Outdoor single port Media Converter/Injector with built-in Power Supply/Charger in NEMA4/4X, IP66-11 enclosure. 115VAC/230VAC input.	13.31"H x 11.31"W x 5.59"D
NetWaySP1BTWPX	Outdoor single port Media Converter/Injector with built-in Power Supply/Charger in larger NEMA4/4X, IP66-11 enclosure, which accommodates four (4) 12VDC/4AH batteries (48V of backup).	17.53"H x 15.3"W x 6.67"D

# Netway<sup>®</sup> FIBER SOLUTIONS

## Four (4) Port Media Converter

### NetWaySP4

- Four (4) Gigabit SFP ports (uplink).
- Power input terminals support 48-56VDC up to 120W or ethernet port (PoE, PoE+ or Hi-PoE 60W).



#### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Port status LED indicators.
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



## Four (4) Port Media Converter with Built-in Power Supply/Charger

### NetWaySP4P

- 120W max per output (240W total).
- Four (4) Gigabit SFP ports (uplink).
- Built-in battery charger (Optional rack mount battery enclosure available - model RE2)
- AC power LED indicator.
- 115VAC/230VAC input.



### NetWaySP4P2

- NetWaySP4P with Class 2 power-limited outputs 60W max per output (240W total).

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## SFP Modules

### P1GCE

- Hot-pluggable SFP Module to be used with CAT5e or better.
- Spans distances up to 100m (328 ft.).
- Data rate: 10/100/1000Mbps.
- Connector type: RJ45.



### P1MM

- Hot-pluggable SFP Module to be used with multi-mode fiber.
- Spans distances up to 550m (1804 ft.).
- Data rate: 1.25Gbps.
- Connector type: LC Duplex.



### P1SM10

- Hot-pluggable SFP Module to be used with single-mode fiber.
- Spans distances up to 10,000m (32,800 ft.).
- Data rate: 1.25Gbps.
- Connector type: LC Duplex.

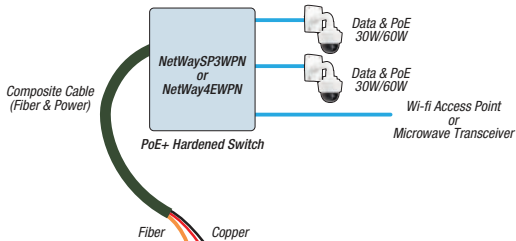
### P1AB2K

- Hot-pluggable Bi-Directional single strand SFP fiber transceiver kit.
- Spans distances up to 2km (6561 ft.)
- Data rate: 1.25Gbps
- Connector type: SC/LC Connector



**Netway**  
SPECTRUM FIBER SOLUTIONS

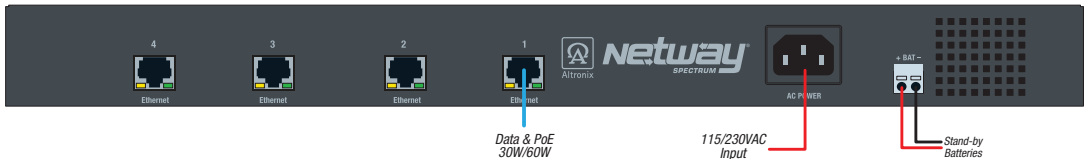
TYPICAL APPLICATIONS:



**NetWaySP4P- Front Panel**



**NetWaySP4P - Rear Panel**



*Single Port Ethernet to Fiber Media Converter/Repeater*

**NetWaySP1A**

- One (1) Gigabit SFP port (uplink).
- IEEE 802.3af (15W) compliant.



**Features:**

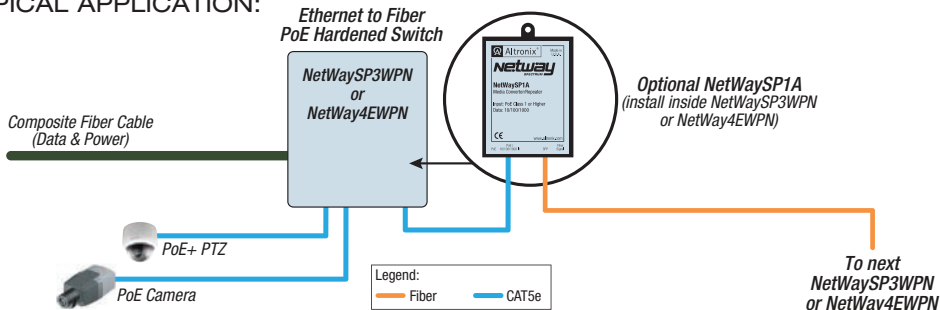
- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- One (1) 10/100/1000 Mbps.

- LED indicators PoE present (unit is powered on) and bLink signal indicates SFP connection.
- Dimensions (W x L x H)  
3.8" x 2.5" x 1" (96.52mm x 63.5mm x 25.4mm).



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**TYPICAL APPLICATION:**





*Hardened PoE Switches with Power Supply/Chargers  
and Optimized Lithium Iron Phosphate Battery Charging*

### Lithium Iron Phosphate Battery Benefits:



**Light weight:**

Lithium Iron Phosphate batteries weigh one-third to almost half less than SLA batteries

**Efficiency:**

Up to 99% efficiency, allowing faster charging with minimal loss, SLA batteries lose power quickly during deep discharge



**More Up Time:**

Lithium Iron Phosphate Batteries allow for rapid charging and discharging

**Longer use Life:**

Lithium Iron Phosphate Batteries can cycle up to 5000 times vs. SLA up to 500 times



**Longer Shelf Life:**

Lithium Iron Phosphate Batteries can be shelved up to 10 years, SLA batteries need to be charged every 6 months (often times the batteries coming from overseas have already been sitting for 4+ months)

**Cold Temperature:**

Lithium Iron Phosphate Batteries have up to 40% more capacity in colder climates



**Cost per Cycle:**

Lithium \$0.31 vs. SLA \$0.92 (real cost per cycle includes maintenance labor, replacement product and labor and electrical costs to charge batteries)

### BTL125

Altronix BTL125 rechargeable Lithium Iron Phosphate ( LiFePO4 ) Battery provides optimal backup for security, access, and surveillance applications.

- Can be used Altronix Spectrum fiber optic equipment with an Optimized Lithium Iron Phosphate Battery charging circuit.
- Smart technology - low power disconnect.
- 10 years shelf life.
- Up to 5,000 duty cycles.
- Environmentally friendly.



# Netway<sup>®</sup> FIBER SOLUTIONS

SPECTRUM

*Hardened PoE Switches with Power Supply/Chargers  
and Optimized Lithium Iron Phosphate Battery Charging*

## Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- One (1) or two (2) Gigabit SFP port (uplink).
- PoE ports (refer to below chart).
- Supports PoE (802.3af), PoE+ (802.3at) and Hi-PoE devices.
- Input: 48-56VDC.
- 75W max output.
- Control, monitor and report power/diagnostics from anywhere over the network.

NETWAYSP4LWPX



- 115VAC/230VAC input.
- Built-in Lithium Iron Phosphate (LiFePO4) battery charger.
- Accommodates (1) 12VDC/4.5AH LiFePO4 battery.
- 17.53"H x 15.3"W x 6.67"D

Embedded  
**LiNQ**  
TECHNOLOGY



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NetWay Spectrum Model #	Configuration	PoE ports
NetWaySP3LWPX	Outdoor 3-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure	3-Ports rated up to 30W or 1-Port rated up to 60W
NetWay4ELWPX	Outdoor 4-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure	4-Ports rated up to 30W or 1-Port rated up to 60W
NetWaySP4LWPX	Outdoor 4-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure	4-Ports rated up to 30W or 1-Port rated up to 60W
NetWaySP8LWPX	Outdoor 8-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure	8-Ports rated up to 30W or 1-Port rated up to 60W



## FIBER SOLUTIONS

*Ethernet to Fiber Media Converter/Injectors***NetWaySP1P**

- Converts Ethernet (10/100/1000Mbps) to Fiber
- One (1) Gigabit SFP port and one (1) Ethernet port rated at 30W max.
- 24VDC to 56VDC power input.

**NetWaySP2P**

- Converts Ethernet (10/100/1000Mbps) to Fiber
- One (1) Gigabit SFP port and two (2) Ethernet ports rated at 30W max per port.
- 48VDC to 56VDC power input.

**Features:**

- UL Listed in the U.S. and Canada (NetWaySP1P only), CE Approved.
- One (1) 10/100/1000 Mbps.

- Converts Ethernet to Fiber and provides PoE+.
- PoE power LED and Link connection indicators.



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*56VDC Power Supply/Chargers***PoE201**

- 56VDC/120W output.
- 2.2A continuous supply current.
- 115/230VAC Input.
- Built-in charger for sealed lead acid or gel type batteries.

Board dimensions:

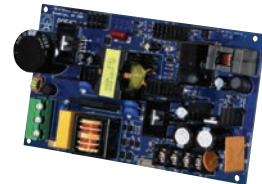
7.0"L x 4.0"W x 1.375"H

**PoE60**

- 56VDC/75W output.
- 1.34A continuous supply current.
- 115/230VAC Input.
- Built-in charger for Lithium Iron Phosphate (LiFEPO4).

Board dimensions:

7.19"L x 4.0"W x 2.0"H



# Netway<sup>®</sup> FIBER SOLUTIONS

SPECTRUM

## Ethernet over Fiber Hardened PoE+ Switch

### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- One (1) Gigabit SFP port (uplink).
- Two (2) ports up to 60W and 1 port up to 30W (10/100/1000 each).
- Supports PoE (802.3af), PoE+ (802.3at) and Hi-PoE devices.
- Input: 48-56VDC.
- Control, monitor and report power/diagnostics from anywhere over the network.

NETWAYSP3B



Embedded  
**LINQ**  
TECHNOLOGY

### Units with Power Supply/Charger:

- 115VAC/230VAC input.
- 120W max output.
- Built-in battery charger.
- Integral surge protection.



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NetWay Spectrum Model #	Configuration	Dimensions
NetWaySP3B	3-port switch board only	5.6"L x 4.5"W x 0.625"H
NetWaySP3PL	3-port PoE+ Hardened Switch on Backplane	10.75"H x 8.875"W x 2.375"D
NetWaySP3WPN	Outdoor 3-port Hardened Switch only in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP3WP	Outdoor 3-port PoE+ Hardened Switch in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP3WPX	Outdoor 3-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure, which accommodates four (4) 12VDC/4AH batteries (48V of backup).	17.53"H x 15.3"W x 6.67"D
NetWaySP3X	Indoor 3-port PoE+ Hardened Switch	13.5"H x 13"W x 3.25"D

# Netway<sup>®</sup> FIBER SOLUTIONS

SPECTRUM

## Managed PoE+ Switches with Fiber Port

### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- One (1) Gigabit SFP port (uplink).
- Four (4) PoE/PoE+ (up to 30W) ports or two (2) Hi-PoE (60W) ports.
- Supports PoE (802.3af), PoE+ (802.3at) and Hi-PoE devices.
- Input: 48-56VDC.
- Provides local and/or remote access to critical information via LAN/WAN.
- Control, monitor and report power/diagnostics from anywhere over the network.

### Units with Powe Supply/Charger:

- 115VAC/230VAC input.
- 120W max output.
- Built-in battery charger.
- Integral surge protection.



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**LINK**  
TECHNOLOGY



NetWay4EWP

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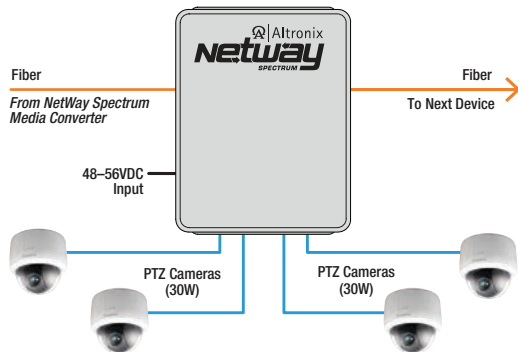
Model #	Configuration	Dimensions
NetWay4EB	4-port switch board only	5.6"L x 4.5"W x 0.625"H
NetWay4EPL	4-port PoE+ Hardened Switch on Backplane	10.75"H x 8.875"W x 2.375"D
NetWay4EWP	Outdoor 4-port Hardened Switch only in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWay4EWP	Outdoor 4-port PoE+ Hardened Switch in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWay4EWPX	Outdoor 4-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure, which accommodates four (4) 12VDC/4AH batteries (48V of backup).	17.53"H x 15.3"W x 6.67"D
NetWay4EX	Indoor 4-port PoE+ Hardened Switch	13.5"H x 13"W x 3.25"D

# Netway<sup>®</sup> FIBER SOLUTIONS

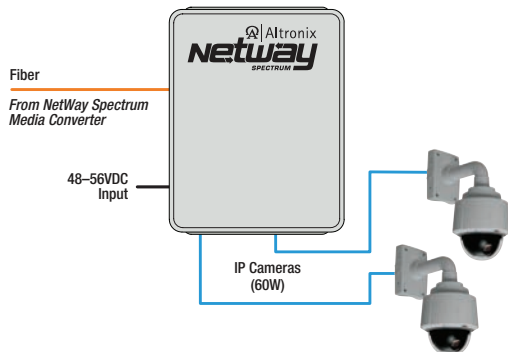
SPECTRUM

## NetWaySP4WPN Dual SFP Application

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## NetWaySP3WPN Single SFP / Hi-PoE Application



# Netway® FIBER SOLUTIONS

SPECTRUM

## 4-Port Managed PoE+ Hardened Switches with Dual SFP (Fiber) Ports

### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Equipped with VLAN.
- Two (2) Gigabit SFP ports (uplink).
- Four (4) ports up to 30W or two (2) ports up to 60W (10/100/1000 each).
- Supports PoE (802.3af), PoE+ (802.3at) and Hi-PoE devices.
- Input: 48-56VDC.
- Units can be deployed with single or multi-mode fiber or composite cable which combines fiber with copper to simultaneously deliver power and data.
- Control, monitor and report power/diagnostics from anywhere over the network.

### Units with Power Supply/Charger:

- 115VAC/230VAC input.
- 115W max output.
- Built-in battery charger.
- Integral surge protection.



Model #	Configuration	Dimensions
NetWaySP4B	4-port switch board only	5.6"L x 4.5"W x 0.625"H
NetWaySP4PL	4-port PoE+ Hardened Switch on Backplane	10.75"H x 8.875"W x 2.375"D
NetWaySP4WPN	Outdoor 4-port Hardened Switch only in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP4WP	Outdoor 4-port PoE+ Hardened Switch in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP4WPX	Outdoor 4-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure, which accommodates four (4) 12VDC/4AH batteries (48V of backup).	17.53"H x 15.3"W x 6.67"D
NetWaySP4X	Indoor 4-port PoE+ Hardened Switch	13.5"H x 13"W x 3.25"D

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# Netway<sup>®</sup> FIBER SOLUTIONS

SPECTRUM

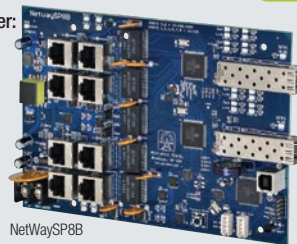
## 8-Port Managed PoE+ Hardened Switches with Dual SFP (Fiber) Ports

### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Equipped with VLAN.
- Two (2) Gigabit SFP ports (uplink).
- Eight (8) ports up to 30W. Two (2) ports can be up to 60W (two (2) 10/100/1000 ports and six (6) 10/100 ports).
- Supports PoE (802.3af), PoE+ (802.3at) and Hi-PoE devices.
- Input: 48-56VDC.
- Units can be deployed with single or multi-mode fiber or composite cable which combines fiber with copper to simultaneously deliver power and data.
- Control, monitor and report power/diagnostics from anywhere over the network.

### Units with Power Supply/Charger:

- 115VAC/230VAC input.
- 115W max output.
- Built-in battery charger.
- Integral surge protection.



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Model #	Configuration	Dimensions
NetWaySP8B	8-port switch board only	5.6"L x 4.5"W x 0.625"H
NetWaySP8PL	8-port PoE+ Hardened Switch on Backplane	10.75"H x 8.875"W x 2.375"D
NetWaySP8WPN	Outdoor 8-port Hardened Switch only in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP8WPP	Outdoor 8-port PoE+ Hardened Switch in NEMA4/4X, IP66-11 enclosure	13.31"H x 11.31"W x 5.59"D
NetWaySP8WPX	Outdoor 8-port PoE+ Hardened Switch in larger NEMA4/4X, IP66-11 enclosure, which accommodates four (4) 12VDC/4AH batteries (48V of backup).	17.53"H x 15.3"W x 6.67"D
NetWaySP8X	Indoor 8-port PoE+ Hardened Switch	13.5"H x 13"W x 3.25"D



# Netway® PoE SOLUTIONS

*Single and Multi-port 802.3bt (90W) Midspan/Injectors*

## NetWay1BT

- Supports a single PoE/PoE+/Hi-PoE cameras/devices.
- Provides 90W full power max
- Aux. Class 2 power-limited output rated @ 56VDC/90W
- 10/100/1000 Ethernet ports

## NetWay4BT

- Supports up to four (4) PoE/PoE+/Hi-PoE cameras/devices.
- Provides 90W full power per port (480W of total power)
- 10/100/1000 Ethernet ports



NETWAY4BT

## NetWay8BT

- Supports up to eight (8) PoE/PoE+/Hi-PoE cameras/devices.
- Provides 90W full power per port (480W of total power)
- 10/100/1000 Ethernet ports

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### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Provides the precise power your PoE devices need.
- Supports PoE (802.3af), PoE+ (802.3at) or Hi-PoE (802.3bt) devices up to 100m over CAT5e/6.
- 115VAC/230VAC input.



- Control, monitor and report power/diagnostics from anywhere over the network (except NetWay1BT).
- Built-in battery charging
- Port status LED indicators.
- Compact 1U EIA 19" rack mount chassis (except NetWay1BT).
- Units can be rack, shelf or wall mounted.



# Netway<sup>®</sup> PoE SOLUTIONS

## *Eight (8) Port Managed Midspans*

### NetWay8G

- Supports up to eight (8) PoE/PoE+ cameras/devices.
- 10/100/1000 Ethernet ports
- Provides 30W full power per port (240W of total power)



### NetWay8GL

- Supports up to eight (8) PoE/PoE+/Hi-PoE 60W cameras/devices.
- 10/100/1000 Ethernet ports
- Provides 60W full power per port (240W of total power)
- Hi-PoE supports Mode A and B independently

### NetWay8GP

- Supports up to eight (8) PoE/PoE+/Hi-PoE 60W cameras/devices.
- 10/100/1000 Ethernet ports
- Provides 60W full power per port (480W of total power)
- Hi-PoE supports Mode A and B independently

## *Sixteen (16) Port Managed Midspan*

### NetWay16G

- Supports up to sixteen (16) PoE/PoE+ cameras/devices.
- 10/100/1000 Ethernet ports
- Provides 30W full power per port (480W of total power)

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### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Provides the precise power your PoE devices need.
- Supports PoE (802.3af), PoE+ (802.3at) or HiPoE 60W devices up to 100m over CAT5e/6.
- 115VAC/230VAC input.

- Control, monitor and report power/diagnostics from anywhere over the network.
- Built-in battery charging  
(Optional rack mount battery enclosure available - model RE2)
- Port status LED indicators.
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



# Netway® PoE SOLUTIONS

## Eight (8) Port PoE Switch

### NetWay8E

- Supports up to eight (8) PoE/PoE+ cameras/devices.
- 10/100/1000 Ethernet ports.
- Two (2) Gigabit Uplinks.
- 30W full power per port (240W of total power).



### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Supports PoE (802.3af) and PoE+ (802.3at) devices up to 100m over CAT5e/6
- Provides local and/or remote access to critical information via LAN/WAN.
- 115VAC/230VAC input.

- Control, monitor and report power/diagnostics from anywhere over the network.
- Built-in battery charging  
*(Optional rack mount battery enclosure available - model RE2)*
- Compact 1U EIA 19" rack mount chassis
- Units can be rack, shelf or wall mounted.

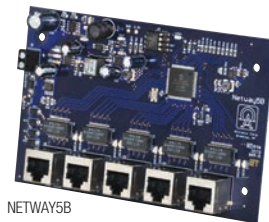


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## Five (5) Port Switch Board

### NetWay5B

- 5-port switch ideal in Trove series units, utilizing a single network cable to connect up to four (4) network devices, reducing material and labor costs.
- Input options of PoE, 12VDC or 24VDC.
- Five 10/100/1000 Ethernet ports.
- PoE IEEE 802.3af (15W) and PoE+ IEEE 802.3at (30W) compliant.



NETWAY5B

# Netway<sup>®</sup> PoE SOLUTIONS

## *Eight (8) Port Managed Midspan*

### NetWay8M

- Supports up to eight (8) PoE/PoE+ cameras/devices.
- Provides up to 30W per port not to exceed 150W max.

## *Sixteen (16) Port Managed Midspan*

### NetWay16M

- Supports up to sixteen (16) PoE/PoE+ cameras/devices.
- Provides up to 30W per port not to exceed 300W max.

### Features:

- UL Listed in the U.S. and Canada for Access Control and Information Technology Equipment, CE Approved, C-Tick Approved.
- Provides the precise power your PoE devices need.
- Plug-and-play yet easily customizable.
- IEEE 802.3af (PoE) and IEEE 802.3at (PoE +) compliant.
- Programmable port priority.
- PoE shutdown feature is selectable by port - allows for cameras and/or edge devices to be reset.
- Control, monitor and report power/diagnostics from anywhere over the network.

- Unused ports can be disabled to prevent unauthorized network connections.
- Safe & cost effective power distribution over CAT-5/5E/6 LAN infrastructure.
- Supports non-PoE 12VDC IP cameras (utilizing NetWay1512 or NetWay3012 adapters).
- Port status LED indicators.
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

Embedded  
**LIQ**  
TECHNOLOGY



NETWAY16M

# Netway® PoE SOLUTIONS

## *Eight (8) Port Midspan*

### **NetWay8**

- Supports up to eight (8) PoE/PoE+ cameras/devices.
- Provides up to 30W per port not to exceed 150W max.

## *Sixteen (16) Port Midspan*

### **NetWay16**

- Supports up to sixteen (16) PoE/PoE+ cameras/devices.
- Provides up to 30W per port not to exceed 300W max.

### **Features:**

- UL Listed in the U.S. and Canada for Access Control and Information Technology Equipment, CE Approved, C-Tick Approved.
- Provides the precise power your PoE devices need.
- IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) compliant.
- Safe & cost effective power distribution over CAT-5/5E/6 LAN infrastructure.
- Supports non-PoE 12VDC IP cameras (utilizing NetWay1512 or NetWay3012 adapters).
- Port status LED indicators.
- Compact 1U EIA 19" rack mount chassis can be rack, shelf or wall mounted.



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# Netway<sup>®</sup> PoE SOLUTIONS

## Single Port Injectors

### NetWay1

- UL Listed in the U.S. and Canada for Access Control and Information Technology Equipment, CE Approved.
- Supports IEEE 802.3af (PoE) devices.
- 24VAC/VDC input.

### NetWay1X

- NetWay1 with IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) compatibility.



### NetWay1P

- NetWay1 (15W) with TP2440 Plug-in Transformer.

### NetWay112

- NetWay1 with 12VDC input.



NETWAY1X

### Features:

- Provides power and passes data over CAT5e cable up to 100m.
- PoE shutdown feature - allows for device reset.
- Safe & cost effective power distribution over CAT-5/5E/6 LAN infrastructure.
- Supports non-PoE 12VDC IP cameras (utilizing NetWay1512 or NetWay3012 adapters).
- Port status LED indicators.
- Compact insulated housing with screw mounting.

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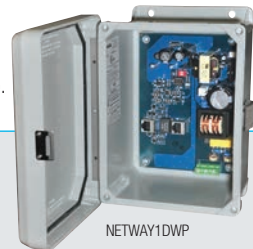
## Outdoor Single Port High PoE Injector

### NetWay1DWP

- UL Listed in the U.S. and Canada, CE Approved.
- Single port provides up to 60W of power and passes data over ethernet (CAT5e) cable up to 100m (328 ft).
- 115VAC/230VAC input.

### Features:

- Maximum power: High PoE (60W).
- Integral surge protection.
- Integral flanges and lightweight design simplify mounting.
- IP66, NEMA4/4X Rated outdoor enclosure with lockable latches.



NETWAY1DWP

# Netway® PoE SOLUTIONS

## Repeater Modules

### NetWayXT

- Supports IEEE 802.3af (PoE) devices.

### NetWayXTX

- Supports IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) devices.

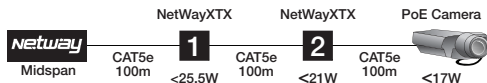
### NetWayXTG

- Supports IEEE 802.3af (PoE) and IEEE 802.3at (PoE+) devices.
- 1Gb (10/100/1000Mbps).



NETWAYXT

## TYPICAL APPLICATION:



### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- Interfaces with NetWay midspans or PoE switches to extend data (video) an additional 100m (328 ft.).
- Multiple units may be used on a single port to extend range (quantity based on device current draw).
- Port status LED indicators.
- Plug-and-play installation, no external power required.



## Adapters

### NetWay1512

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- 15W midspan adapter for non-PoE compliant IP cameras.

### NetWay3012

- UL Listed in the U.S. and Canada for Information Technology Equipment, CE Approved.
- 30W midspan adapter for non-PoE compliant IP fixed or PTZ cameras.



NETWAY3012

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### Features:

- Supports non-PoE 12VDC IP cameras.
- LED indicators.
- Compact insulated housing with screw mounting.



# Netway® PoE SOLUTIONS

## Single Port Hi-PoE Injectors

### NetWay1D

- UL Listed in the U.S. and Canada, CE Approved
- Supports IEEE 802.3af (PoE), IEEE 802.3at (PoE+) and Hi-PoE.
- Port provides up to 60W.
- Aux. Class 2 power-limited output rated @ 56VDC/60W.
- 115VAC/230VAC Input.



### NetWay1E

- UL Listed in the U.S. and Canada, CE Approved
- Supports IEEE 802.3af (PoE) and IEEE 802.3at (PoE+).
- Also supports LTPoE++™ 70W, 52.7W & 38.7W PD compliant devices.
- PoE shutdown feature.
- 115VAC Input.

### NetWay1EV

- NetWay1E with 220VAC Input.

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NETWAY1D

### Features:

- Provides precise power and passes data over Ethernet (CAT-5) cable up to 100m (328 ft).
- Safe and cost effective power distribution over CAT-5/5E/6 LAN infrastructure.

- Data rate 10/100/1000.
- Integral surge protection.
- Power LED indicator.
- IEC 320 - 3-wire grounded line cord (detachable).
- Units can be wall or shelf mounted.





# Netway<sup>®</sup> PoE SOLUTIONS

*Enables Four (4) IP Devices  
over a Single Cable*

## NetWay4ESK (kit)

- UL Listed in the U.S. & Canada, CE & C-Tick Approved.
- PoE/PoE+ Switch with Midspan Injector.
- Includes NetWay4ES and NetWay1D.



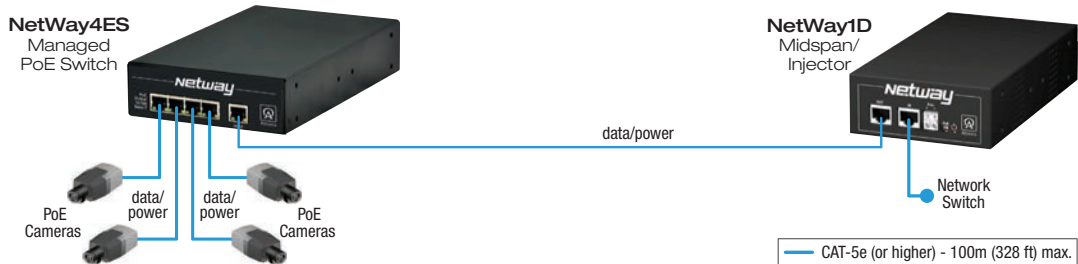
## Features:

- Provides a total of 60W max. up to four (4) devices.
- Safe and cost effective power distribution over CAT-5/5E/6 LAN infrastructure.



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## TYPICAL APPLICATION:





## PASSIVE UTP TRANSCEIVER HUBS WITH INTEGRAL CAMERA POWER

*Sixteen (16) Channel*

### HubWay16CD

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Sixteen (16) channels of combined video, data and power.
- 10 amp total output current.
- 115VAC input.



### HubWay16D

- UL Listed in the U.S. for CCTV, CE Approved.
- All features of HubWay16CD.
- 115/230VAC selectable input.



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*Sixteen (16) Channel (Isolated Power)*

### HubWay16Di

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Sixteen (16) channels of combined video, data and power.
- 16 amp total output current.
- Electronically isolated power outputs.
- 115VAC or 230VAC selectable input.



### Features:

- Quality video up to 750 ft.
- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- PTC protected power outputs.
- Surge suppression.
- Power LED indicators.
- Sixteen (16) 75 ohm video outputs.
- RS422/RS485 data inputs.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



Refer to page 163 or video balun/combiners.

Above models available with video balun/combiners, also available with eight (8) outputs visit [altronix.com](http://altronix.com) for more info.



## ACTIVE UTP TRANSCEIVER MODULE & HUBS

### *Sixteen (16) Channel Hub*

#### HubWayEX16S

- Sixteen (16) channels of combined video and data.
- Video LED indicators.

HUBWAYEX16SP



### *Sixteen (16) Channel with Integral Power*

#### HubWayEX16SP

- Sixteen (16) channels of combined video, data and power.
- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- Electronically isolated PTC protected power outputs.
- 16 amp total output current.
- Surge suppression.
- Power and video LED indicators.

#### Features:

- UL Listed in the U.S. and Canada for CCTV.
- Quality video up to 5000 ft.
- Automatic picture and gain control.
- Automatic correction for reverse video polarity.
- Sixteen (16) 75 ohm video outputs.



- RS422/RS485 data inputs.
- 115VAC or 230VAC selectable input.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

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### *Single Channel*

#### HubWayEX1

- UL Listed in the U.S. and Canada for CCTV.
- One (1) channel of combined video and data.
- Quality video up to 5000 ft.



#### Features:

- 16VAC-24VAC or 12VDC-24VDC.
- Automatic picture and gain control.
- Automatic correction for reverse video polarity.
- Video LED indicator.
- RS422/RS485 data input.
- One (1) 75 ohm video output.
- Compact insulated housing with screw mounting.



## ACTIVE UTP TRANSCEIVER HUBS

*Sixteen (16) Channel Hub***HubWayEX16**

- Sixteen (16) channels of video distributed over four (4) structured cables.
- Sixteen (16) 75 ohm video outputs.

*Thirty-two (32) Channel Hub***HubWayEX32**

- Thirty-two (32) channels of video distributed over eight (8) structured cables.
- Thirty-two (32) 75 ohm video outputs.

**Features:**

- UL Listed in the U.S. and Canada for CCTV.
- Quality video up to 5000 ft.
- Automatic picture and gain control.
- Automatic correction for reverse video polarity.
- Video LED indicators.



- RS422/RS485 data inputs.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

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*UTP Power Injector***HubWayEXP**

- Sixteen (16) channel isolated camera power injector.
- Passes sixteen (16) video signals over four (4) structured cables back to the transceiver hub (MDF), while providing the necessary camera power locally (IDF), ensuring seamless plug and play operation.
- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- PTC protected power outputs.
- 16 amp total output current (1 amp per channel).

**Features:**

- UL Listed in the U.S. and Canada for CCTV.
- Surge suppression.
- Power LED indicators.
- RS422/RS485 data inputs.
- 115VAC or 230VAC selectable input.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



HUBWAYEXP





## ACTIVE UTP TRANSCEIVER HUB WITH/WITHOUT INTEGRAL ISOLATED CAMERA POWER

*Sixteen (16) Channel*

### HubWayLD16Di

- Sixteen (16) channels of combined video, data and power.
- 16 amp total isolated output current.
- 115VAC or 230VAC selectable input.



HUBWAYLD16Di

#### Features:

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Quality video up to 3000 ft.
- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- PTC protected power outputs.
- Surge suppression.
- Picture and gain controls.



- Video and power LED indicators.
- Sixteen (16) 75 ohm video outputs.
- RS422/RS485 data inputs.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

*Sixteen (16) Channel Hub*

### HubWayLDH16

- Sixteen (16) channels of combined video and data.
  - Sixteen (16) 75 ohm video outputs.
- Eight (8) channel model also available.

*Refer to page 163 for  
video balun/combiners.*

Above models available with video balun/combiners  
visit [altronix.com](http://altronix.com) for more info.

#### Features:

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Quality video up to 3000 ft.
- Picture and gain controls.
- Video LED indicators.
- RS422/RS485 data inputs.
- 115VAC or 230VAC selectable input.
- Illuminated master power switch.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, wall or shelf mounted.





## PASSIVE UTP TRANSCEIVER HUBS WITH INTEGRAL CAMERA POWER

### Four (4) Channel

#### HubSat4D

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Four (4) channels of combined video, data and power.
- 4 amp total output current.
- Four (4) 75 ohm video outputs.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### HubSat4WP

- HubSat4D with NEMA 4/IP 65 Rated enclosure for outdoor use.
- CE Approved

Enclosure dimensions: 12"H x 8"W x 6"D

#### Features:

- Passes video signals over structured cable back to the transceiver hub (MDF), while providing the necessary camera power locally (IDF), ensuring seamless plug and play operation.
- Quality video up to 750 ft.
- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- PTC protected power outputs.
- Power LED indicators.
- RS422/RS485 data inputs.
- 115VAC input.



### Eight (8) Channel

#### HubSat8D

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- Eight (8) channels of combined video, data and power.
- 8 amp total output current.
- Eight (8) 75 ohm video outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

*Refer to page 163 for  
video balun/combiners.*



HUBSAT4D

Above models available with isolated power outputs and/or video balun/combiners visit [altronix.com](http://altronix.com) for more info.



## VIDEO BALUN/COMBINERS

### *Slim-Line Video Balun/Combiners*

#### HubWayAv2

- Interfaces with HubWay and HubSat UTP Transceiver Hubs for 24VAC/12VDC fixed or PTZ cameras (based on power supply selection).
- Pass through video/data/power.
- Data/PTZ RS422/RS485 output.

#### Features:

- 1 amp supply current (based on power supply rating).
- Low profile fits inside dome cameras and back boxes.
- 75 ohm video input.
- 30cm leads.



### *DC Video Balun/Combiners*

#### HubWayDv

- Interfaces with HubWay and HubSat UTP Transceiver Hubs for 12VDC fixed or PTZ cameras.

#### HubWayDvi

- Video balun/combiner provides isolation for 12VDC cameras.

#### Features:

- UL Listed Accessory.
- Power LED indicator.



Video balun/combiners also available in packs eight (8), visit [altronix.com](http://altronix.com) for more info.

## AC POWER SUPPLIES

*Four (4) Output***ALTV244UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 3.5 amp @ 24VAC or 3 amp @ 28VAC max. power.
- Four (4) fuse protected non power-limited outputs.
- Power ON/OFF switch.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**ALTV244ULCB**

- ALTV244UL with Four (4) Class 2 Rated PTC protected power-limited outputs.

**ALTV244175UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 7 amp @ 24VAC or 6.25 amp @ 28VAC max. power.
- Four (4) fuse protected non power-limited outputs.
- Illuminated master power switch.

Enclosure dimensions: 12.25"H x 7.75"W x 4.5"D

**ALTV244175ULCB**

- ALTV244175UL with Four (4) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz. input.
- AC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).

\* Optional factory installed 3-wire line cord (add suffix "3" to model number).



ALTV244UL



## AC POWER SUPPLIES

### *Eight (8) Output*

#### **ALTV248UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 3.5 amp @ 24VAC or 3 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.
- Power ON/OFF switch.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

#### **ALTV248ULCB**

- ALTV248UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

#### **ALTV248175UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 7 amp @ 24VAC or 6.25 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.
- Illuminated master power switch.

Enclosure dimensions:  
12.25"H x 7.75"W x 4.5"D

#### **ALTV248175ULCB**

- ALTV248175UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

#### **ALTV248300UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.
- Illuminated master power switch.

Enclosure dimensions:  
12.25"H x 7.75"W x 4.5"D

#### **ALTV248300ULCB**

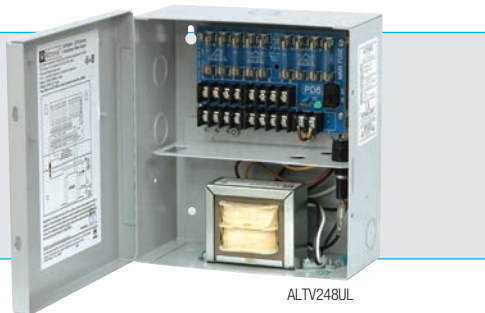
- ALTV248300UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

165

### Features:

- 115VAC 60Hz. input.
- AC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).

\* Optional factory installed 3-wire line cord (add suffix "3" to model number).



ALTV248UL

## AC POWER SUPPLIES

**ALTV248300ULM**

- Compact version of AL248300UL.
- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.

Enclosure dimensions: 8.5"H x 7.5"W x 3.75"D

*Eight (8) Output***ALTV248600UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC or 20 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**ALTV248600ULCB**

- ALTV248600UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz. input.
- Illuminated master power switch.
- AC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Includes cam lock.

\* Optional factory installed 3-wire line cord  
(add suffix "3" to model number).



ALTV248600UL

## AC POWER SUPPLIES

### ALTV2416ULX

- 7 amp @ 24VAC or 6 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.
- Power ON/OFF switch.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

### ALTV2416ULCBX

- ALTV2416ULX with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### ALTV2416300UL

- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.
- Illuminated master power switch.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

### ALTV2416300ULCB

- ALTV2416300UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### *Sixteen (16) Output*

### ALTV2416300ULM

- Compact version of ALTV2416300UL.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.
- Illuminated master power switch.

Enclosure dimensions:

8.5"H x 7.5"W x 3.75"D

### ALTV2416600UL

- 25 amp @ 24VAC or 20 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

### ALTV2416600ULCB

- ALTV2416600UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### Features:

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 115VAC 60Hz. input.
- AC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Includes cam lock.



\* Optional factory installed 3-wire line cord (add suffix "3" to model number).



ALTV2416300UL

## AC POWER SUPPLIES

*Thirty-two (32) Output***ALTV2432300UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Thirty-two (32) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**ALTV2432300ULCB**

- ALTV2432300UL with Thirty-two (32) Class 2 Rated PTC protected power-limited outputs.

**ALTV2432600UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC or 20 amp @ 28VAC max. power.
- Thirty-two (32) fuse protected outputs.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**ALTV2432600ULCB**

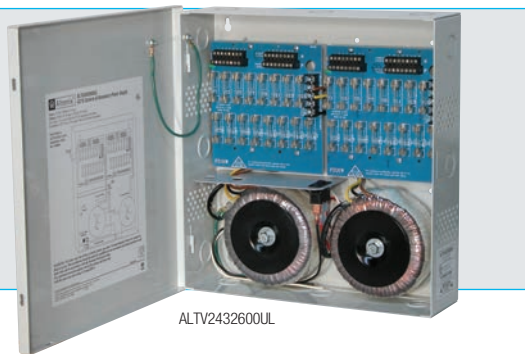
- ALTV2432600UL with Thirty-two (32) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz. input.
- Illuminated master power switch.
- AC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Includes cam lock.

\* Optional factory installed 3-wire line cord  
(add suffix "3" to model number).



## ISOLATED AC POWER SUPPLIES

*Eight (8) Output***ALTV248ULHi**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC max. power.
- Eight (8) 1.56 amp fuse protected isolated outputs.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**ALTV248ULCBHi**

- ALTV248ULHi with Eight (8) Class 2 Rated PTC protected power-limited isolated outputs.

**ALTV248ULMi**

- Compact version of ALTV248ULHi.
- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC max. power.
- Eight (8) 1.56 amp fuse protected isolated outputs.

Enclosure dimensions:

8.5"H x 7.5"W x 3.75"D

**ALTV248ULCBMi**

- ALTV248ULMi with Eight (8) Class 2 Rated PTC protected power-limited isolated outputs.

*Sixteen (16) Output***ALTV2416ULi**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC max. power.
- Sixteen (16) 1.56 amp fuse protected isolated outputs.
- Includes cam lock.

Enclosure dimensions:

13.5"H x 13"W x 3.25"D

**ALTV2416ULCBi**

- ALTV2416ULi with Sixteen (16) Class 2 Rated PTC protected power-limited isolated outputs.

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**Features:**

- 115VAC 60Hz. input.
- Illuminated master power switch.
- Spare fuses provided (all models with primary and/or secondary fuses).

\* Optional factory installed 3-wire line cord (add suffix "3" to model number).



ALTV248ULHi

## COMBINATION AC/DC POWER SUPPLIES

*Four (4) Output***ALTV1224C4**

- 12VDC and 24VAC output.
- 2 amp @ 12VDC and 4 amp @ 24VAC max. power.
- 6 amp total supply current.
- Four (4) individually fuse protected outputs:
  - Two (2) outputs @ 12VDC.
  - Two (2) outputs @ 24VAC.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

*Sixteen (16) Output***ALTV1224C**

- CE Approved.
- 12VDC and 24VAC output.
- 3.5 amp @ 12VDC and 3.5 amp @ 24VAC max. power.
- 7 amp total supply current.
- Sixteen (16) individually fuse protected outputs:
  - Eight (8) outputs @ 12VDC.
  - Eight (8) outputs @ 24VAC.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D



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**Features:**

- 115VAC 50/60Hz. input (220VAC versions available).
- Power ON/OFF switch.
- DC outputs are filtered and electronically regulated.
- AC and DC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Includes cam lock.



ALTV1224C

## DC POWER SUPPLIES

### *Four (4) Output*

#### **ALTV615DC4UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 24VAC/50VA input
  - Operates from separate plug-in transformer (order model # TP2450).
- 2.5 amp @ 6VDC-12VDC or 2 amp @ 12VDC-15VDC max. power.
- Four (4) Class 2 Rated fuse protected power-limited outputs.
- Power ON/OFF switch.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### *Eight (8) Output*

#### **ALTV615DC8UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 4 amp @ 6VDC-15VDC max. power.
- Eight (8) Class 2 Rated fuse protected power-limited outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

#### **ALTV615DC8ULCB**

- ALTV615DC8UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

#### **Features:**

- 115VAC 60Hz input (220VAC versions available, not UL/CUL Listed).
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- AC and DC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).



ALTV615DC4UL

## DC POWER SUPPLIES

*Sixteen (16) Output***ALTV615DC416UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 4 amp @ 6VDC-15VDC max. power.
- Sixteen (16) Class 2 Rated fuse protected power-limited outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**ALTV615DC416ULCB**

- ALTV615DC416UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

**ALTV615DC616UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 6 amp @ 6VDC-15VDC max. power.
- Sixteen (16) fuse protected non power-limited outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**ALTV615DC616ULCB**

- ALTV615DC616UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz. input.
- 6VDC-15VDC selectable outputs.
- Illuminated master power switch.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- AC and DC power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).

\* Optional factory installed 3-wire line cord (add suffix "3" to model number).



ALTV615DC616UL



# SAV™ DC POWER SUPPLIES

## Four (4) Output

### SAV4D

- 5 amp @ 12VDC.
  - Four (4) PTC protected power-limited outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

## Nine (9) Output

### SAV9D

- 5 amp @ 12VDC.
  - Nine (9) PTC protected power-limited outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

## Eighteen (18) Output

### SAV18D

- 5 amp @ 12VDC.
  - Eighteen (18) PTC protected power-limited outputs.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### SAV182D

- 11 amp @ 12VDC.
  - Eighteen (18) PTC protected power-limited outputs.
  - Includes cam lock.
- Enclosure dimensions: 13.5"H x 13"W x 3.25"D

SAV9D 173

## Features:

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC/230VAC input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Individual power LED indicators.
- Field installable grounded line cord or can be hard wired.



## DC POWER SUPPLIES

*Thirty-six (36) Output***SAV36D**

- 11 amp @ 12VDC.
- Thirty-six (36) PTC protected power-limited outputs.
- Includes cam lock.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

**Features:**

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC/230VAC input.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Individual power LED indicators.
- Field installable grounded line cord or can be hard wired.



SAV36D

## DC POWER SUPPLIES

*Sixteen (16) Output***ALTV615DC1016**

- 10 amp @ 6VDC-15VDC max. power.
- Sixteen (16) fuse protected outputs.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

**ALTV615DC1016CB**

- ALTV615DC1016 with Sixteen (16) PTC protected outputs.

**Features:**

- 115VAC 50/60Hz input (220VAC versions available).
- Illuminated master power switch.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Spare fuses provided (all models with primary and/or secondary fuses).
- AC and DC power LED indicators.
- Includes cam lock.

# RESERV<sup>®</sup> VIDEO SURVEILLANCE UPS

## ReServ1

- Sixteen (16) power outputs:
  - Twelve (12) true sine wave regulated 24VAC outputs @ 4 amp total supply current.
  - Four (4) regulated 12VDC outputs @ 2 amp total supply current.

## ReServ1WP

- ReServ1 with NEMA4 / IP66 Rated outdoor enclosure.
- Enclosure dimensions: 17.53"H x 15.3"W x 6.67"D

## Stand-by time (for all Reserv models):

Batteries	4 amp (100VA) max. Load at 24VAC and/or 12VDC
Two (2) 12VDC/7AH	45 minutes
Two (2) 12VDC/12AH	90 minutes

\*Stand-by times are approximate.

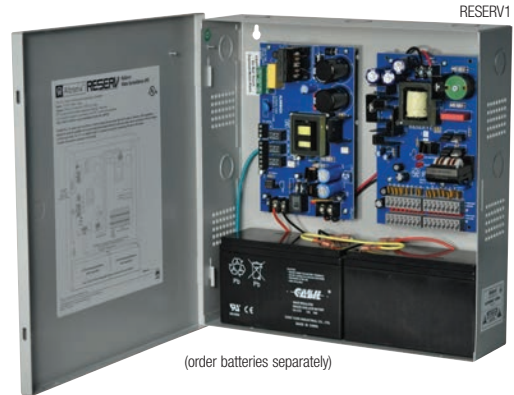
## Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment.
- PTC protected power-limited outputs.
- Individual power LED indicators.
- Low voltage input and Shutdown LED indicators.
- AC fail and low battery supervision.



- Audible alarm provides notification of UPS trouble conditions.
- Built-in charger for sealed lead acid or gel type batteries.
- Enclosure accommodates two (2) 12VDC/7AH batteries (order separately).
- Includes cam lock and battery leads.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D



(order batteries separately)

# RESERV<sup>®</sup> VIDEO SURVEILLANCE UPS

## ReServ2

- Sixteen (16) true sine wave regulated 24VAC outputs @ 4 amp total supply current.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

## ReServ2WP

- ReServ2 with NEMA4 / IP66 Rated outdoor enclosure.

Enclosure dimensions: 17.53"H x 15.3"W x 6.67"D

## ReServ3

- Sixteen (16) regulated 12VDC outputs @ 8 amp total supply current.

Enclosure dimensions: 13.5"H x 13"W x 3.25"D

## 176 ReServ3WP

- ReServ3 with NEMA4 / IP66 Rated outdoor enclosure.

Enclosure dimensions: 17.53"H x 15.3"W x 6.67"D

### Features:

- UL Listed in the U.S. and Canada for Information Technology Equipment.
- PTC protected power-limited outputs.
- Individual power LED indicators.
- Low voltage input and Shutdown LED indicators.
- AC fail and low battery supervision.
- Audible alarm provides notification of UPS trouble conditions.
- Built-in charger for sealed lead acid or gel type batteries.
- Enclosure accommodates two (2) 12VDC/7AH batteries (order separately).
- Includes cam lock and battery leads.



## ReServ4WP

- Four (4) power outputs:
  - Two (2) true sine wave regulated 24VAC outputs @ 4 amp total supply current.
  - Two (2) regulated 12VDC outputs @ 1 amp total supply current.
- NEMA4 / IP66 Rated outdoor enclosure.

Enclosure dimensions: 17.53"H x 15.3"W x 6.67"D

\* ReServ4WP is not UL Listed.



RESERV2

Order Batteries Separately

PMK2- Pole Mount Kit available, see pages 79, 183, 209

## OUTDOOR AC POWER SUPPLIES

### Four (4) Output

#### WPTV244175UL

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 7 amp @ 24VAC or 6.25 amp @ 28VAC max. power.
- One (1) fuse protected non power-limited output rated @ 10 amp/250V (for high current devices such as heaters and pan tilt mechanisms).
- Three (3) Class 2 Rated PTC protected power-limited outputs rated @ 2.5 amp (for camera power).

Enclosure dimensions: 12"H x 8"W x 6"D

#### WPTV244300UL

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- One (1) fuse protected non power-limited output rated @ 15 amp/32V (for high current devices such as heaters and pan tilt mechanisms).
- Three (3) Class 2 Rated PTC protected power-limited outputs rated @ 2.5 amp (for camera power).

Enclosure dimensions: 12"H x 8"W x 6"D

#### Features:

- 115VAC 60Hz. input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- AC power LED indicator.
- Surge suppression.
- Spare fuses provided (all models with primary and/or secondary fuses).
- NEMA 4/IP 65 Rated enclosure for outdoor use.



WPTV244300UL

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PMK1 - Pole Mount Kit available, see pages 183, 209

## OUTDOOR AC POWER SUPPLIES

### *Eight (8) Output*

#### **WPTV248UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 3.5 amp @ 24VAC or 3 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.

Enclosure dimensions: 12"H x 8"W x 6"D

#### **WPTV248ULCB**

- WPTV248UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

#### **WPTV248175UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 7 amp @ 24VAC or 6.25 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.

Enclosure dimensions: 12"H x 8"W x 6"D

#### **WPTV248175ULCB**

- WPTV248175UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

#### **WPTV248300UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.

Enclosure dimensions: 12"H x 8"W x 6"D

#### **WPTV248300ULCB**

- WPTV248300UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

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#### **Features:**

- 115VAC 60Hz input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- AC power LED indicator.
- Surge suppression.
- Spare fuses provided (all models with primary and/or secondary fuses).
- NEMA 4/IP 65 Rated enclosure for outdoor use.



WPTV248175UL

PMK1 - Pole Mount Kit available, see pages 183, 209



Multi-output power  
for harsh environments.

**WAYPOINT**<sup>™</sup>

Versatile Outdoor Power Solutions

# WAYPOINT™ OUTDOOR AC POWER SOLUTIONS

## WayPoint10A

- Output Power Options:
  - a) 24VAC @ 4 amp max.
  - b) 28VAC @ 3.5 amp max.
  - c) Both 24VAC and 28VAC not to exceed 3.5 amp max
- One (1) 24VAC output and one (1) 28VAC output.
- Fuse output rated @ 5 amp/250V.
- 115/230VAC input.

Enclosure dimensions: 13.31"H x 11.31"W x 5.59"D

## WayPoint10ADU

- WayPoint10A with two (2) PTC protected outputs.

## WayPoint17AU

- Output Power Options:
  - a) 24VAC @ 7.25 amp max.
  - b) 28VAC @ 6.25 amp max.
  - c) Both 24VAC and 28VAC not to exceed 6.25 amp max.
- One (1) 24VAC output and one (1) 28VAC output.
- Fuse output rated @ 10 amp/250V.
- 115/230VAC input.

Enclosure dimensions: 13.31"H x 11.31"W x 5.59"D

## WayPoint17A4U

- WayPoint17A with four (4) 24VAC or 28VAC fuse protected outputs.

## WayPoint17A4DU

- WayPoint17A with four (4) 24VAC or 28VAC PTC protected outputs.

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### Features:

- UL Listed in the US & Canada, CE Approved.
- Provides power for outdoor cameras, IR illuminators, security devices, etc.
- Surge suppression.
- Individual power output LED indicators.
- Illuminated master power switch.
- Spare fuses included.
- Integral flanges and lightweight design simplify mounting.
- NEMA 4/4X, IP66-11 Rated outdoor enclosure with lockable latches.



WAYPOINT17A4U

PMK1 - Pole Mount Kit available, see pages 183, 209



# WAYPOINT™ OUTDOOR AC POWER SOLUTIONS

## WayPoint30A

- Output Power Options:
  - a) 24VAC @ 12.5 amp max.
  - b) 28VAC @ 10 amp max.
  - c) Both 24VAC and 28VAC not to exceed 10 amp max.
- Two (2) 24VAC outputs and two (2) 28VAC outputs.
- Fuse output rated @ 15 amp/32V.
- 115/230VAC input.

Enclosure dimensions: 13.31"H x 11.31"W x 5.59"D

## WayPoint30A4U

- WayPoint30A with four (4) 24VAC or 28VAC fuse protected outputs.

## WayPoint30A4DU

- WayPoint30A with four (4) 24VAC or 28VAC PTC protected outputs.

## WayPoint30A8U

- WayPoint30A with eight (8) 24VAC or 28VAC fuse protected outputs.

## WayPoint30A8DU

- WayPoint30A with eight (8) 24VAC or 28VAC PTC protected outputs.

## WayPoint307A

- Output Power Options:
  - a) 24VAC @ 12.5 amp max.
  - b) 28VAC @ 10 amp max.
  - c) Both 24VAC and 28VAC not to exceed 10 amp max.
- Two (2) 24VAC outputs and two (2) 28VAC outputs.
- Output fuses rated @ 15 amp/32V.
- 277VAC input.
- This unit is not UL Listed.

Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D



WAYPOINT30A

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### Features:

- UL Listed in the US and Canada, CE Approved.
- Provides power for outdoor cameras, IR illuminators, security devices, etc.
- Surge suppression.
- Individual power output LED indicators.

- Illuminated master power switch.
- Spare fuses included.
- Integral flanges and lightweight design simplify mounting.
- NEMA 4/4X, IP66-11 Rated outdoor enclosure with lockable latches.



PMK1 - Pole Mount Kit available, see pages 183, 209

# WAYPOINT™ OUTDOOR DC POWER SOLUTIONS

## Single Output

### WayPoint3

- 2.5 amp @ 12VDC or 24VDC.
  - 115/230VAC input.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

### WayPoint5

- 3.5 amp @ 12VDC or 24VDC.
  - 115/230VAC input.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

### WayPoint7

- 6 amp @ 12VDC or 24VDC.
  - 115VAC input.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

### WayPoint7V

- Same as Waypoint7 with 230VAC input.

### WayPoint102

- 10 amp @ 12VDC.
  - 115VAC input.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

### WayPoint1024

- 10 amp @ 24VDC.
  - 115VAC input.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

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CE

### Features:

- CE Approved.
- Provides power for outdoor cameras, IR illuminators, security devices, etc.
- AC and DC power LED indicators.
- Includes battery leads.
- Integral flanges and lightweight design simplify mounting.
- NEMA 4/4X, IP66-11 Rated outdoor enclosure with lockable latches.



WAYPOINT7

PMK1 - Pole Mount Kit available, see pages 183, 209

## OUTDOOR POLE MOUNT KIT

### PMK1

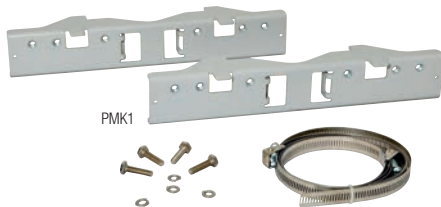
- Designed to simplify installation of Altronix outdoor rated power supplies and accessories.
- PMK1 accommodates products housed in WP1, WP3 and WP4 enclosures.

### PMK2

- Designed to simplify installation of Altronix outdoor rated power supplies and accessories.
- PMK2 accommodates products housed in WP2 enclosures.

#### Features:

- Simplifies mounting and overall installation.
- Accommodates 2" - 8" (diameter) pole or 5" square pole.
- Kit includes: two (2) powder coated steel mounting brackets, two (2) wormgear quick release straps, four (4) stainless steel bolts and lock washers.



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Centralized power  
for AC or DC  
cameras/devices.

**VERTILINE**<sup>®</sup>

Rack Mount AC/DC Power Solutions

# VERTILINE<sup>®</sup> RACK MOUNT AC POWER SUPPLIES

## *Eight (8) Output*

### **VertiLine8C**

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 5 amp @ 24VAC or 28VAC total output current.
- Eight (8) fuse protected outputs.

### **VertiLine8**

- VertiLine8C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.

### **VertiLine83C**

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 10 amp @ 24VAC or 28VAC total output current.
- Eight (8) fuse protected outputs.

### **VertiLine83**

- VertiLine83C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.

## *Eight (8) Output with Isolation*

### **VertiLine8i**

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC or 230VAC selectable input.
- 8 amp @ 24VAC or 28VAC total output current (1 amp max per output).
- Electronically isolated camera power.
- Eight (8) fuse protected isolated outputs.



### **Features:**

- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- Illuminated master power switch.
- Power LED indicators.
- External easy to replace blade type fuses.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



VERTILINE8C

*All VertiLine models are available with PTC protected outputs.  
Add suffix "D" to model number (i.e. VertiLine8CD).  
For isolated models add suffix "Di" to model number (i.e. VertiLine8Di).*

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# VERTILINE<sup>®</sup> RACK MOUNT AC POWER SUPPLIES

*Sixteen (16) Output*

## VertiLine16C

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 10 amp @ 24VAC or 28VAC total output current.
- Sixteen (16) fuse protected outputs.

## VertiLine16

- VertiLine16C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.

## VertiLine166C

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 14 amp @ 24VAC or 28VAC total output current.
- Sixteen (16) fuse protected outputs.

## VertiLine166

- VertiLine166C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.

*Sixteen (16) Output with Isolation*

## VertiLine16Di

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC or 230VAC selectable input.
- 16 amp @ 24VAC or 28VAC total output current (1 amp max per output).
- Sixteen (16) PTC protected isolated outputs.



### Features:

- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- Illuminated master power switch.
- Power LED indicators.
- External easy to replace blade type fuses.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



All Vertiline models are available with PTC protected outputs.  
Add suffix "D" to model number (i.e. VertiLine16CD).  
For isolated models add suffix "Di" to model number (i.e. VertiLine16Di).

# VERTILINE<sup>®</sup> RACK MOUNT AC POWER SUPPLIES

## Twenty-four (24) Output

### VertiLine24C

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 10 amp @ 24VAC or 28VAC total output current.
- Twenty-four (24) fuse protected outputs.

### VertiLine24

- VertiLine24C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.

### VertiLine246C

- UL Listed in the U.S. and Canada for CCTV.
- 115VAC input.
- 14 amp @ 24VAC or 28VAC total output current.
- Twenty-four (24) fuse protected outputs.

### VertiLine246

- VertiLine246C with 115/230VAC selectable input.
- UL Listed in the U.S. for CCTV.



### Features:

- Individually selectable 24VAC or 28VAC power outputs with OFF position.
- Illuminated master power switch.
- Power LED indicators.
- External easy to replace blade type fuses.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.

*All VertiLine models are available with PTC protected outputs. Add suffix "D" to model number (i.e. VertiLine24CD).*

VERTILINE24C



# VERTILINE® RACK MOUNT DC POWER SUPPLIES

## *Eight (8) Output*

### **VertiLine3D**

- 8 amp @ 12VDC total output current.
- Eight (8) PTC protected outputs.

### **VertiLine6D**

- 8 amp @ 24VDC total output current.
- Eight (8) PTC protected outputs.

## *Sixteen (16) Output*

### **VertiLine33D**

- 8 amp @ 12VDC total output current.
- Sixteen (16) PTC protected outputs.

### **VertiLine33TD**

- 16 amp @ 12VDC total output current.
- Sixteen (16) PTC protected outputs.

### **VertiLine63D**

- 8 amp @ 24VDC total output current.
- Sixteen (16) PTC protected outputs.

### **VertiLine63TD**

- 16 amp @ 24VDC total output current.
- Sixteen (16) PTC protected outputs.

## **Features:**

- CE Approved.
- 115VAC input.
- Power LED indicators.
- Filtered and electronically regulated outputs.
- Illuminated master power switch.
- Removable terminal blocks w/locking screw flanges.
- Blade fuses are external on fuse protected models.
- IEC 320 - 3-wire grounded line cord (detachable).
- Compact 1U EIA 19" rack mount chassis.
- Units can be rack, shelf or wall mounted.



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## RACK MOUNT AC POWER SUPPLIES

### *Eight (8) Output*

#### **R248UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 3.5 amp @ 24VAC or 3 amp @ 28VAC max. power.
- Eight (8) fuse protected non power-limited outputs.

#### **R248ULCB**

- R248UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

### *Sixteen (16) Output*

#### **R2416UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 7 amp @ 24VAC or 6 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.

#### **R2416ULCB**

- R2416UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

#### **R2416300UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.

#### **R2416300ULCB**

- R2416300UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

### **Features:**

- 115VAC 60Hz. input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- Power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.



## RACK MOUNT AC POWER SUPPLIES

*Sixteen (16) Output***R2416600UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC or 20 amp @ 28VAC max. power.
- Sixteen (16) fuse protected non power-limited outputs.

**R2416600ULCB**

- R2416600UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

*Thirty-two (32) Output***R2432300UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC or 10 amp @ 28VAC max. power.
- Thirty-two (32) fuse protected non power-limited outputs.

**R2432300ULCB**

- R2432300UL with Thirty-two (32) Class 2 Rated PTC protected power-limited outputs.

**R2432600UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC or 20 amp @ 28VAC max. power.
- Thirty-two (32) fuse protected non power-limited outputs.

**R2432600ULCB**

- R2432600UL with Thirty-two (32) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- Power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.



## ISOLATED RACK AC MOUNT POWER SUPPLIES

*Eight (8) Output***R248ULi**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 12.5 amp @ 24VAC max. power.
- Eight (8) 1.56 amp fuse protected non power-limited electronically isolated outputs.

**R248ULCBI**

- R248ULi with Eight (8) Class 2 Rated PTC protected power-limited outputs.

*Sixteen (16) Output***R2416ULi**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 25 amp @ 24VAC max. power.
- Sixteen (16) 1.56 amp fuse protected non power-limited electronically isolated outputs.

**R2416ULCBI**

- R2416ULi with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

**Features:**

- 115VAC 60Hz input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- Power LED indicators.
- Spare fuses provided (all models with primary and/or secondary fuses).
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.



## RACK MOUNT DC POWER SUPPLIES

*Eight (8) Output***R615DC8UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 4 amp @ 6-15VDC max. power.
- Eight (8) Class 2 Rated fuse protected power-limited outputs.

**R615DC8ULCB**

- R615DC8UL with Eight (8) Class 2 Rated PTC protected power-limited outputs.

*Sixteen (16) Output***R615DC416UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 4 amp @ 6-15VDC max. power.
- Sixteen (16) Class 2 Rated fuse protected power-limited outputs.

**R615DC416ULCB**

- R615DC416UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

**R615DC616UL**

- UL Listed in the U.S. and Canada for CCTV, CE Approved.
- 6 amp @ 6-15VDC max. power.
- Sixteen (16) fuse protected non power-limited outputs.

**R615DC616ULCB**

- R615DC616UL with Sixteen (16) Class 2 Rated PTC protected power-limited outputs.

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**Features:**

- 115VAC 60Hz input (220VAC versions available, not UL/CUL Listed).
- Illuminated master power switch.
- Filtered and electronically regulated output(s).
- Short circuit and thermal overload protection.
- Power LED indicators.
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.



R615DC616UL

## RACK MOUNT DC POWER SUPPLIES

### *Sixteen (16) Output*

#### **R615DC1016**

- 10 amp @ 6-15VDC max. power.
- Sixteen (16) fuse protected outputs.

#### **R615DC1016CB**

- R615DC1016 with Sixteen (16) PTC protected outputs.

#### **Features:**

- 115VAC 50/60Hz. input (220VAC versions available).
- Illuminated master power switch.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Power LED indicators.
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.

### *Sixteen (16) Output*

#### **R1224DC16CB**

- UL Listed in the U.S. and Canada for Specialty Power Supply.
- Sixteen (16) Class 2 Rated PTC protected power-limited outputs.
- Groups of four (4) outputs are selectable for 12VDC or 24VDC.
- 18 amp total output.



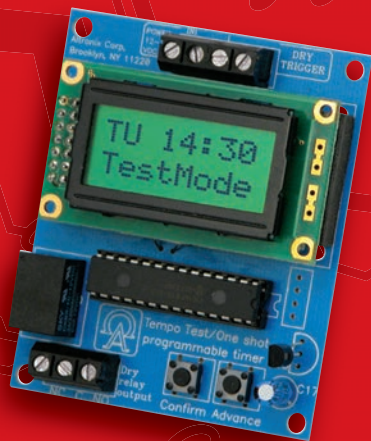
R1224DC16CB

#### **Features:**

- 115VAC 60Hz. input.
- Illuminated master power switch.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Power LED indicators.
- Removable terminal blocks with locking screw flanges.
- 3-wire grounded line cord.
- 2U rack mount chassis for use in standard EIA 19" rack.



\* Unit does not charge batteries.



Universal 2-Stage Timers.

**Tempo**

Multi-Function Timers

# Tempo<sup>2</sup> UNIVERSAL TWO STAGE TIMER

## Tempo2

- Digital Test / Trigger Mode Timer is suitable for applications that require a timed operation. e.g. delayed egress with a programmable 1-60 second door release after delay expires, door prop alarm, door annunciator, alarm swinger eliminator, etc.
- Board dimensions: 2.55"L x 3.0"W x 0.7"H

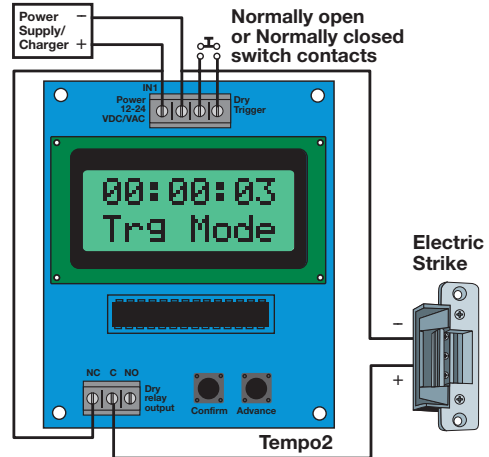
### Features:

- 12 to 24VAC or VDC operation.
- Trigger input DC triggers via dry contact closure, or removal of contact closure.
- Output dry Form "C" contacts are 2 amp @ 120VAC/28VDC.
- Current draw: stand-by 15mA, relay energized 30mA.
- LCD display for ease of programming, and countdown feature.
- Dual function: test timer/one shot.
- EE Prom memory protects against loss of programming due to power failure.
- Simple programming.

### One-shot features (trigger activated):

- Programmable relay activation at the start or end of the timing cycle.
  - a. Delayed Pulse Mode: 1 to 60 sec. programmable pulse at the end of timing cycle.
  - b. Delay Mode: Relay can be programmed to energize or de-energize during timing cycle (Digitally adjust from 1 sec.-24 hours).

### Delayed Egress:



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## ANNUAL EVENT TIMERS

**PT724A**

- Single channel annual event timer.
- 12 to 24VAC or VDC operation.
- Stand-by current: 10mA (relay off) 50mA (relay on).
- Form "C" relay contacts are rated 10 amp @ 115VAC/28VDC.
- 50 individually programmed daily/weekly events.
- Block programming accommodates a total of 350 events per week.
- Ten (10) programmable Holiday dates.
- EE Prom memory protects against loss of programming due to power failure.

196 Board dimensions: 5.25"L x 3"W x 1.1"H

**PT724AE**

- PT724A in enclosure.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**PT2724**

- Two (2) channel annual event timer.
- 12 to 24VAC or VDC operation.
- Stand-by current: 10mA (relay off) 50mA (relay on) (per channel).
- Two (2) form "C" relay contacts are rated 10 amp @ 115VAC/28VDC.
- Tandem relay mode allows both channels to activate simultaneously for all events.
- 50 individually programmed daily/weekly events (per channel).
- Block programming accommodates a total of 350 events per week per channel.
- Ten (10) programmable Holiday dates per channel.
- EE Prom memory protects against loss of programming due to power failure.

Board dimensions: 5.25"L x 3.6"W x 1.1"H

**PT2724E**

- PT2724 in enclosure.
- Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**AT4B**

- Four (4) channel annual event timer.
- 12 to 24VAC or VDC operation.
- Stand-by current: 20mA (relay off) 40mA (relay on) (per relay).
- Four (4) form "C" relay contacts @ 115VAC/28VDC.
- Each relay operates independently.
- Momentary and/or latching events.
- 254 individually programmed daily/weekly events.
- Block programming accommodates a total of 1778 events per week.
- 254 programmable Holiday events.
- EE Prom memory protects against loss of programming due to power failure.

Board dimensions: 7"L x 5.5"W x 1.2"H

**AT4**

- AT4B in enclosure.
- Enclosure dimensions:  
12.25"H x 7.75"W x 4.5"D

**Features:**

- "First man in" option.
- Standard or daylight savings time setting.
- Automatic compensation for leap year.
- Built-in charger for 12VDC sealed lead acid or gel type batteries.
- Lithium battery backup maintains clock (optional).

AT4B





## MULTI-FUNCTION TIMERS

### 6062

- Multi-function timer.
- 12VDC or 24VDC operation.
- Form "C" relay contacts are 8 amp at 120VAC/28VDC.
- Current draw: stand-by 3mA, relay energized 40mA.
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Selectable relay activation at the start or end of the timing cycle.
- One (1) second momentary relay activation at the end of the timing cycle (eliminates the need to use two (2) timers for this function).
- Built-in reset feature which cancels timing cycle.
- Applications include: access control, siren/bell cut off, dialer delay, guard tour supervisory, door ajar, etc.
- Snap Track compatible (order part# ST3)
- DIN rail mountable version available (order model# DTMR1).

Board dimensions: 3"L x 2.5"W x .75"H

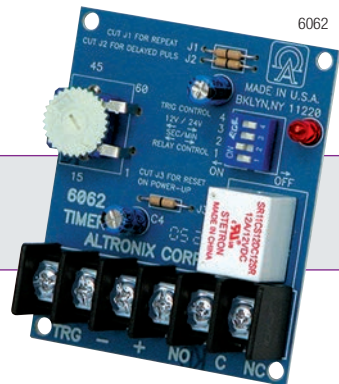
#### Features:

- Quick and extremely accurate time range adjustment from 1 second to 60 minutes.
- Power LED indicator.
- Repeat (pulser/flasher mode).

### 6030

- Multi-function timer.
- Bell cut off/delay timer.
- 6VDC or 12VDC operation.
- Form "C" relay contacts are 8 amp at 115VAC/28VDC.
- Current draw: stand-by 3mA, relay energized 75mA.
- Relay activates at the end of the timing cycle.
- Applications include: siren/bell cut off, dialer delay, door ajar, etc.
- Snap Track compatible (order part# ST3)

Board dimensions: 3"L x 2.5"W x .75"H



6062

## DOOR TIMERS

### DL1

- Door control timer.
- 12 to 24 AC or DC operation.
- Dry relay output (1 Dry form "C" contact, rated @ 2 amp).
- Isolated AC or DC voltage 5V-24V trigger.
- Time adjustable from 1 second to 1 minute.
- 12VDC regulated sounder output.
- Momentary or maintained trigger.

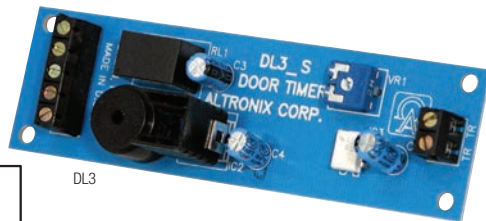
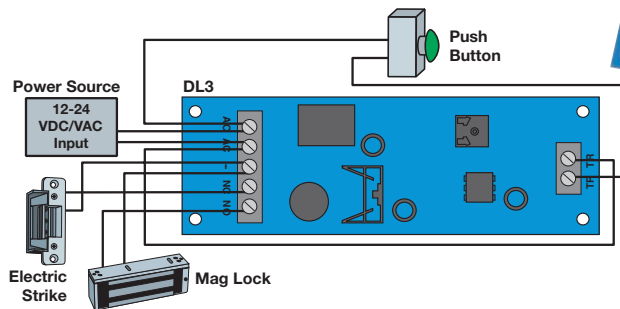
Board dimensions: 1.5"L x 4"W x .75"H

### DL3

- Door control timer.
- 12 to 24 AC or DC operation.
- Rectified voltage output.
- Isolated AC or DC voltage 5V-24V trigger.
- Time adjustable from 1 second to 1 minute.
- On-board sounding device.
- Momentary or maintained trigger.
- Powers 12VDC locks and strikes (300mA max.).

Board dimensions: 1.5"L x 4"W x .75"H

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DL3

## RELAY WITH BASE

*AC Models***RAC24**

- 24VAC operation.
- Current draw 45mA.

**RAC120**

- 120VAC operation.
- Current draw 12mA.

*DC Models***RDC12**

- 12VDC operation.
- Current draw 86mA.

**RDC24**

- 24VDC operation.
- Current draw 43mA.

**RDC48**

- 48VDC operation.
- Current draw 20mA.

**Features:**

- UL Recognized.
- DPDT contacts rated at 10 amp/220VAC or 28VDC.
- DIN Rail mountable.



## RELAY MODULES

*(UL Listed)***RBUL**

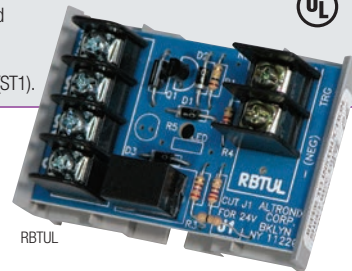
- UL Listed Burglar Alarm.
  - 12VDC or 24VDC selectable operation.
  - Current draw 30mA.
- Board dimensions: 2.75"L x 2"W x 1.25"H

**RBTUL**

- UL Listed Burglar Alarm.
  - 12VDC or 24VDC selectable operation.
  - 3VDC to 24VDC, 2mA positive (+) trigger.
  - Current draw 30mA.
- Board dimensions: 2.75"L x 2"W x 1.25"H

**Features:**

- SPDT contacts rated at 1 amp/28VDC.
- DIN Rail mountable
- Includes snap track (ST1).



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\* Refer to page 211 for DIN Rail Mounting Accessories.

## RELAY MODULES

**RB1224**

- 12VDC or 24VDC selectable operation.
  - Current draw 75mA.
  - DPDT contacts rated at 5 amp/220VAC or 28VDC.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2"L x 2.75"W x 1"H

**RB30**

- 12VDC or 24VDC selectable operation.
  - Current draw 95mA.
  - SPDT contacts rated at 30 amp/120VAC or 28VDC.
  - Heavy duty load switching applications.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2"L x 2.75"W x .75"H

**RBSN**

- 12VDC or 24VDC selectable operation.
  - Current draw 15mA.
  - DPDT contacts rated at 1 amp/120VAC or 2 amp/28VDC
  - Snap track mountable (order part# ST1).
- Board dimensions: 2"L x 2.75"W x 1"H

**RBSNTTL**

- Ultra sensitive relay.
  - 12VDC to 24VDC selectable operation.
  - 3VDC to 24VDC, 2mA isolated positive or negative trigger.
  - Current draw 18mA.
  - DPDT contacts rated at 1 amp/120VAC or 2 amp/28VDC.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2.75"L x 1.9"W x 1.1"H

**RBST**

- 6VDC, 12VDC or 24VDC selectable operation.
  - Current draw 30mA.
  - DPDT contacts rated at 1 amp/120VAC or 2 amp/28VDC.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2.75"L x 1.9"W x 1.1"H

**RB5**

- 6VDC or 12VDC selectable operation.
  - Current draw 120mA.
  - DPDT contacts rated at 5 amp/220VAC or 28VDC.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2.75"L x 1.9"W x 1.35"H

**RB524**

- 24VDC operation.
  - Current draw 40mA.
  - DPDT contacts rated at 5 amp/220VAC or 28VDC.
  - Snap track mountable (order part# ST1).
- Board dimensions: 2.75"L x 1.9"W x 1.35"H



\* Refer to page 211 for DIN Rail Mounting Accessories.

## RELAY MODULES

### RB7

- Ultra sensitive relay cluster.
  - 12VDC or 24VDC selectable operation.
  - 3VDC to 24VDC positive trigger inputs.
  - Seven (7) independent isolated SPDT contacts rated at 1 amp/120VAC or 28VDC.
- Board dimensions: 6.5"L x 3.25"W x 1"H

### RBOC7

- Open collector module.
  - 12VDC or 24VDC selectable operation.
  - 3VDC to 24VDC positive trigger inputs.
  - Seven (7) independent open collector outputs capable of sinking 100mA each.
- Board dimensions: 6.5"L x 3.25"W x 1"H

### RB610

- Break away relay 6 pack.
  - Each cluster contains six (6) relay modules which can easily be separated into quantity desired.
  - 12VDC or 24VDC selectable operation.
  - Current draw 50mA.
  - SPDT contacts rated at 10 amp/120VAC or 28VDC.
  - LEDs indicate relay is energized.
  - Terminals handle up to 12 gauge wire.
- Board dimensions: 2"L x 2.75"W x 1"H

### RBR1224

- Electronic ratchet/toggle relay.
  - 12VDC to 24VDC selectable operation.
  - 3VDC to 24VDC positive or negative sensitive trigger inputs.
  - Current draw 20mA.
  - DPDT contacts rated at 0.5 amp/120VAC or 2 amp/28VDC.
  - LEDs indicate relay is energized.
  - Snap track mountable (order part# ST3).
- Board dimensions: 3"L x 2.5"W x 1"H

\* Refer to page 179 for DIN Rail Mounting Accessories.



RB610

## DIN RAIL PRODUCTS

### *Power Supply/Chargers*

#### DPS1

- 1.2 amp @ 6VDC or 12VDC or .75 amp @ 24VDC supply current.
- PTC battery protection.
- Plug-in transformer required.\*

Board dimensions: 3"L x 2.5"W x 1.5"H

#### DPS3

- 2.5 amp @ 6VDC, 12VDC or 24VDC.
- Transformer required.\*

Board dimensions: 3.5"L x 3"W x 2"H

#### DPS5

- 4 amp @ 6VDC, 12VDC or 24VDC.
- Transformer required.\*

Board dimensions:

3.5"L x 2.75"W x 1.75"H

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#### Features:

- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.
- Built-in charger for sealed lead acid or gel type batteries.
- AC input and DC power output LED indicators.
- Snap track, DIN Rail mounting clips and battery leads.

\* Refer to page 211 for DIN Rail Mounting Accessories.

### *Power Distribution Modules*

#### DP4

- Converts a single AC or DC input into four (4) individually fuse protected outputs.
  - Handles up to 48VAC/VDC.
  - Fuses are rated @ 3.5 amp/250V (Up to 5 amp fuses may be used).
  - Power ON/OFF switch.
  - Includes snap track and DIN Rail mounting clips.
- Board dimensions: 3"L x 2.5"W x 1.5"H

#### DP4CB

- DP4 with PTC protected outputs.
- PTCs are rated @ 2.5 amp.



## DIN RAIL PRODUCTS

### *Multi-Function Timer*

#### **DTMR1**

- 12VDC or 24VDC selectable operation.
- Quick and extremely accurate time range adjustment from 1 sec. to 60 min.
- Form "C" relay contacts are 8 amp at 120VAC/28VDC.
- Current draw: stand-by 3mA, relay energized 40mA.
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Selectable relay activation at the start or end of the timing cycle.
- One (1) second momentary relay activation at the end of the timing cycle (eliminates the need to use two (2) timers for this function).
- Built-in reset feature which cancels timing cycle.
- Repeat (pulser/flasher) mode.
- Includes snap track, DIN Rail mounting clips and battery leads.

Board dimensions: 3"L x 2.5"W x 1.5"H



### *Single Channel Annual Event Timer*

#### **DPT724A**

- 12VDC to 24VDC selectable operation.
  - Stand-by current: 10mA (relay off) 50mA (relay on).
  - Battery charging current: 100mA.
  - Form "C" relay contacts are rated 10 amp @ 120VAC/28VDC.
  - EE Prom memory protects against loss of programming due to power failure.
  - Accurate crystal controlled clock.
  - Momentary and/or latching events.
  - 50 individually programmed daily/weekly events.
  - Block programming capacity can accommodate a total of 350 events per week.
  - 10 programmable Holiday dates.
  - "First man in" option.
  - Alphanumeric LCD display simplifies programming.
  - Standard or Daylight Savings Time settings.
  - Automatic compensation for leap year.
  - Built-in charger for 12VDC sealed lead acid or gel type batteries.
  - Max. charge current 100mA.
  - Lithium battery backup maintains clock (optional), (order part # LB2032).
  - Includes snap track, DIN Rail mounting clips and battery leads.
- Board dimensions: 5.25"L x 3"W x 1"H

\* Refer to page 211 for DIN Rail Mounting Accessories.

## POWER DISTRIBUTION MODULES

*Four (4) Output***PD4UL**

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
  - Operates 12VDC/24VDC up to 10 amp or 24VAC/28VAC @ 12 amp.
  - Four (4) fuse protected outputs.
- Board dimensions: 5.25"L x 3.25"W x 1"H

**PD4ULCB**

- Same as PD4UL with PTC protected power-limited outputs.
- PTCs are rated @ 2.5 amp.

*Eight (8) Output***PD8UL**

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
  - Operates 12VDC/24VDC up to 10 amp or 24VAC/28VAC @ 12 amp.
  - Eight (8) fuse protected outputs.
- Board dimensions: 5.25"L x 3.25"W x 1"H

**PD8ULCB**

- Same as PD8UL with PTC protected power-limited outputs.
- PTCs are rated @ 2.5 amp.

*Sixteen (16) Output***PD16W**

- UL Listed Sub-Assembly in the U.S. and Canada for Access Control and Burglar. UL Listed Sub-Assembly in the U.S. for Fire.
  - Operates 12VDC/24VDC up to 10 amp or 24VAC/28VAC @ 12 amp.
  - Sixteen (16) fuse protected outputs.
- Board dimensions: 5.875"H x 6"W x 1"H

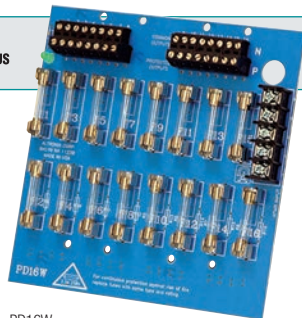
**PD16WCB**

- Same as PD16W with PTC protected power-limited outputs.
- PTCs are rated @ 2.5 amp.

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**Features:**

- Fused secondary output.



PD16W



## POWER DISTRIBUTION MODULES

### *Four (4) Output*

#### **PD4**

- Operates 28VAC or 28VDC up to 14 amp.
- Four (4) fuse protected outputs.
- Fuses are rated @ 3.5 amp/250V  
(Up to 5 amp/250V fuses may be used).

Board dimensions: 5.25"L x 3.25"W x 1"H

#### **PD4CB**

- Same as PD4 with PTC protected outputs.
- PTCs are rated @ 2.5 amp.

### *Eight (8) Output*

#### **PD8**

- Operates 28VAC or 28VDC up to 14 amp.
- Eight (8) fuse protected outputs.
- Fuses are rated @ 3.5 amp/250V  
(Up to 5 amp/250V fuses may be used).

Board dimensions: 5.25"L x 3.25"W x 1"H

#### **PD8CB**

- Same as PD8 with PTC protected outputs.
- PTCs are rated @ 2.5 amp.

### **Features:**

- Fused secondary output.



PD8

## AC TRANSFORMERS

*115VAC Input***T1656**

- 16VAC/56VA (3.5 amp) supply current.

**T16100**

- 16VAC/100VA (6.25 amp) supply current.

**T16175**

- 16VAC/175VA (11 amp) supply current.

**T2856**

- 28VAC/56VA (2 amp) supply current.

**T2428100**

- 24VAC/100VA (4 amp)  
or 28VAC/100VA (3.5 amp) supply current.



T2856

**T2428175**

- 24VAC/175VA (7.25 amp)  
or 28VAC/175VA (6.25 amp) supply current.

**T2428300**

- 24VAC/300VA (12.5 amp)  
or 28VAC/300VA (10 amp) supply current.

*115VAC/220VAC Input***T24130D**

- 24VAC/100VA (4 amp) supply current.

**T2885D**

- 28VAC/100VA (3.5 amp) supply current.

**T28140D**

- 28VAC/175VA (6.25 amp) supply current.

AC PLUG-IN  
TRANSFORMERS**TP1220**

- 12VAC/20VA (1.7 amp) supply current.

**TP1620**

- 16.5VAC/20VA (1.2 amp) supply current.

**TP1640**

- 16.5VAC/40VA (2.4 amp) supply current.

**TP1650**

- 16.5VAC/50VA (3 amp) supply current.

**TP2420**

- 24VAC/20VA (0.8 amp) supply current.

**TP2440**

- 24VAC/40VA (1.67 amp) supply current.

**TP2450**

- 24VAC/50VA (2.1 amp) supply current.

**Features:**

- UL Listed.
- 115VAC input.
- Fused secondary output.



## TRANSFORMERS WITH ENCLOSURES

### T2856C

- 115VAC input.
- 28VAC/56VA (2 amp) supply current.
- Primary fuse rated @ 3.5A/250V.

Enclosure dimensions: 5.625"H x 7"W x 4.5"D

### T2428100C

- 115VAC input.
- 24VAC/100VA (4 amp) or 28VAC/100VA (3.5 amp) supply current.
- Primary fuse rated @ 3.5A/250V.

Enclosure dimensions: 5.625"H x 7"W x 4.5"D

### T2428100C220

- T2428100C with 220VAC input.

### T24130CP220

- 220VAC input.
- 24VAC/100VA (4 amp) or 28VAC/100VA (3.5 amp) supply current.
- Primary fuse rated @ 3.5A/250V.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

### T2428175C

- 115VAC input.
- 24VAC/175VA (7.25 amp) or 28VAC/175VA (6.25 amp) supply current.
- Primary fuse rated @ 10A/250V.

Enclosure dimensions:  
5.625"H x 7"W x 4.5"D

### T2428175C220

- T2428175C with 220VAC input.

### T2428300E

- 115VAC input.
- 24VAC/300VA (12.5 amp) or 28VAC/280VA (10 amp) supply current.
- Primary fuse rated @ 15A/32V.

Enclosure dimensions:  
12.5"H x 7.75"W x 4.5"D

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### Features:

- Fused input protection.
- Screw terminal blocks accommodate up to 12 gauge wires.



T2428100C

## POWER SUPPLY/BATTERY/ACCESSORY ENCLOSURES

**BC100**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- NEMA 1 enclosure.

Enclosure dimensions: 8.5"H x 7.5"W x 3.5"D

**BC200**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits one (1) 12VDC/7AH or two (2) 12VDC/4AH batteries.
- NEMA 1 enclosure.

Enclosure dimensions: 12.25"H x 7.75"W x 4.5"D

**BC300**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits two (2) 12VDC/7AH batteries.

Enclosure dimensions:  
13.5"H x 13"W x 3.25"D

**BC300R**

- Red BC300 enclosure.

**BC400**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits two (2) 12VDC/12AH batteries.

Enclosure dimensions: 15.5"H x 12.23"W x 4.5"D

**BC400R**

- Red BC400 enclosure.

**BC400SG**

- BC400 and battery shelf which facilitates additional stand-by batteries up to four (4) 12VDC/12AH max.



BC300

**BC400SR**

- BC400R and battery shelf which facilitates additional stand-by batteries up to four (4) 12VDC/12AH max.

**BC1240**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits one (1) 12VDC/40AH battery.

Enclosure dimensions: 9.5"H x 9.5"W x 7.5"D

**BC600**

- 19 gauge red enclosure with ample knockouts for convenient access.
- Fits up to four (4) 12VDC/7AH batteries.

Enclosure dimensions: 18"H x 14.5"W x 4.625"D

**BC600G**

- Grey BC600 enclosure.

**BC750**

- 19 gauge grey enclosure with ample knockouts for convenient access.
- Fits two (4) 12VDC/12AH batteries.

Enclosure dimensions: 20.5"H x 16.5"W x 6.25"D

**BC800**

- 16 gauge grey enclosure with ample knockouts for convenient access.
- Fits up to four (4) 12VDC/12AH batteries.

Enclosure dimensions: 26"H x 19"W x 6.25"D

**CAB4**

- Grey enclosure.
- Fits one (1) 12VDC/12AH or one (1) 12VDC/7AH battery.

Enclosure dimensions: 5.625"H x 7"W x 4.5"D

## POWER SUPPLY/BATTERY/ACCESSORY ENCLOSURES

*Outdoor Rated Enclosures***WP1**

- NEMA 4/IP 65 Rated enclosure for outdoor use.
  - Fits up to two (2) 12VDC/7AH batteries.
- Enclosure dimensions: 14"H x 8"W x 6"D

**WP2**

- NEMA 4/IP 66 Rated enclosure for outdoor use.
  - Fits up to two (2) 12VDC/12AH batteries.
- Enclosure dimensions:  
17.53"H x 15.3"W x 6.67"D

**WP3**

- NEMA 4/4X IP66-11 Rated enclosure for outdoor use.
  - Fits up to two (2) 12VDC/12AH batteries.
- Enclosure dimensions:  
13.31"H x 11.31"W x 5.59"D

**WP4**

- NEMA 4/4X IP66-11 Rated enclosure for outdoor use.
- Enclosure dimensions:  
9.32"H x 7.32"W x 4.92"D

*NEMA Rated Glands***WG1**

- Wire inlet for WP2, WP3 and WP4.

*Outdoor Pole Mount Kit***PMK1**

- Pole mount kit for outdoor enclosures.
- Kit includes powder coated steel mount brackets, stainless steel bolts, washers and straps. (Refer to page 159)

**PMK2**

- Pole mount kit for outdoor enclosures.
- Kit includes powder coated steel mount brackets, stainless steel bolts, washers and straps. (Refer to page 159)

*Optional Battery Brackets***BCS4G**

- Grey bracket fits BC400G enclosure allows the addition of two (2) 12VDC/12AH batteries. For a total of up to four (4) 12VDC/12AH batteries.
- Bracket dimensions: 3.5"H x 11.5"W x 3.75"D

**BCS4R**

- Red bracket fits BC400G enclosure allows the addition of two (2) 12VDC/12AH batteries. For a total of up to four (4) 12VDC/12AH batteries.
- Bracket dimensions: 3.5"H x 11.5"W x 3.75"D

## BATTERIES &amp; COMPONENT ACCESSORIES

*Rechargeable Sealed  
Lead Acid***BT124**

- 12VDC/4AH.
- Battery dimensions:  
3.54"L x 2.76"W  
x 4.02"H (4.17"TH)

**BT126**

- 12VDC/7AH.
- Battery dimensions:  
5.94"L x 2.56"W x 3.66"H (3.86"TH)

210 **BT1212**

- 12VDC/12AH.
- Battery dimensions:  
5.94"L x 3.86"W x 3.70"H (3.86"TH)

**BT1240**

- 12VDC/40AH.
- Battery dimensions:  
7.72"L x 6.50"W x 6.73"H (6.73"TH)

Altronix® provides a wide range of sealed lead acid batteries ranging up to 40 amp/hr capacity. Our most commonly requested models are listed above.

*Lithium***LB2032**

- Lithium battery for models AT4, AT4B, DPT724A, PT724A and PT2724.

*Rack Mount  
Battery Enclosure***RE2**

- Fits up to four (4) 12VDC/7AH batteries.
- 2U rack mount chassis for use in standard EIA 19" rack.



(order batteries separately)

*Replacement Fuses***BF1**

- 1 amp blade fuse. 100 pk.

**BF3**

- 3 amp blade fuse. 25 pk.

**BF5**

- 5 amp blade fuse. 25 pk.

**BF10**

- 10 amp blade fuse. 25 pk.

*Replacement Fuses***BF15**

- 15 amp blade fuse. 25 pk.

**FUSE1**

- 3.5 amp fuse (3AG).  
100 pk.

**FUSE2**

- 5 amp fuse (3AG).  
100 pk.

**FUSE3**

- 10 amp fuse (3AG). 100 pk.

**FUSE4**

- 1 amp fuse (3AG). 100 pk.

**FUSE5**

- 5 amp slow blow fuse (3AG). 100 pk.

**FUSE6**

- 15 amp slow blow fuse (3AG). 100 pk.

*Line Cords***LC1**

- 6 ft. Two-wire line cord.

**LC2**

- 6 ft. Three-wire line cord.

## COMPONENT ACCESSORIES

### *DIN Rail Mounting Accessories*

#### **CLIP1**

- Two (2) DIN Rail mounting clips.

#### **D10**

- 10" DIN Rail (other lengths are available).



#### **DK1**

- DIN Rail mount kit.
- ST3 and two (2) DIN Rail mounting clips

#### **ST1**

- Snap Track for models RB5, RB1224, RBSN, RBST and RB30.

#### **ST2**

- Snap Track for models RB7, RBOC7.

#### **ST3**

- Snap Track for models: AL624, SMP3, SMP5, AL175ULB, AL176ULB, 6030, 6062 and PT724A.

### *Battery/Grounding Leads*

#### **BL2**

- 8" pair of black & red battery leads (18 AWG).

#### **BL3**

- 18" pair of black and red battery leads (18 AWG).



#### **BL3KSP**

- 18" pair of black and red battery leads and (4) 8" yellow jumpers (18 AWG).

#### **BL4**

- 8" yellow battery series jumper (18 AWG).

#### **BL6**

- 68" pair of black and red battery leads (16 AWG).

#### **GL1**

- 8" green grounding lead (12 AWG).

### *Misc. Accessories*

#### **BNC24J**

- 24" BNC jumper.



#### **CAM1**

- Cam lock for enclosures (excludes WP1, WP2, WP3, WP4).

#### **CKL1**

- Latch lock for enclosures (excludes WP1, WP2, WP3, WP4).



#### **CP1**

- Mounting plate. Used to mount two (2) boards (PD4, PD8 or MOM5) side by side in BC400 or BC500 enclosures.

#### **SPACER1**

- 5/8" nylon spacers (standoffs). 25 pk.

#### **SPACER2**

- Press fit nylon spacers (standoffs). 4 pk.

#### **SPACER3**

- 5/8" metal spacers (standoffs). 25 pk.

#### **SPACER4**

- 5/8" nylon male/Female spacers (standoffs). 25 pk.

#### **SPACER5**

- Snapon nylon spacers (standoffs). 32 pk.

#### **TAPE1**

- Two-side adhesive pads. 25 pk.

#### **WG1**

- Wire inlet for WP2, WP3 and WP4.



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#### **WM5**

- Magnetic cable tie mount. 5 pk.

#### **WM25**

- Magnetic cable tie mount. 25 pk.

#### **WM100**

- Magnetic cable tie mount. 100 pk.

#### **WPL1**

- Cam lock for WP1 enclosure.

## AGENCY LISTING GLOSSARY



UL Listed for U.S. installations

UL Listed for U.S.  
and Canadian installations

UL Canada



European Conformity.



UL Recognized Component.



UL Recognized Component for Canada.

UL 294 UL Listed for Access Control Systems Units (Access).

UL 603 UL Listed Power Supplies for use with Burglar-Alarm Systems (Burglar).

UL 864 UL Listed Control Units for Fire Protective Signaling Systems (Fire).

UL 1012 UL Listed Specialty Power Supply.

UL 1069 UL Listed Hospital Signaling and Nurse Call Equipment (Nurse Call).

UL 1481 UL Listed Power Supplies for Fire Protective Signaling Systems (Fire).

UL 2044 UL Listed Commercial Closed-Circuit Television Equipment (CCTV/Surveillance).

UL 60950-1 UL Listed for Information Technology Equipment.

cUL Listed CSA Standard C22.2 No.1-98, Audio, Video and Similar Equipment (CCTV/Surveillance).  
CSA Standard C22.2 No.205-M1983, Signal Equipment (Access).

CAN/ULC-S527-99 Control units for Fire Alarm Systems.

ULC-S318-96 Power Supplies for Burglar Alarm Systems. Also suitable for Access Control (Burglar/Access).

ULC-S319-05 Electronic Access Control Systems.



C-Tick Approved.



CSFM - California State Fire Marshal Approved.



FM - Factory Mutual Approved.



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## LIFETIME WARRANTY

Altronix Corporation warrants to the original purchaser that all products shall be free from defects in material or workmanship at time of shipment. Our obligation under this warranty is limited to the repair or replacement of any of our products, providing said products are used within the specified ratings and applied in accordance with good engineering practice, and providing said products are proved by our examination to be defective and returned to us transportation prepaid. This warranty shall constitute the fulfillment of Altronix's liability, and Altronix shall not be liable for any consequential damage. This warranty does not extend to any of our products which have been subject to misuse, neglect, accident, improper application or installation, nor shall it extend to material which has been altered or repaired outside the factory. This warranty is in lieu of all other warranties expressed or implied. Enclosures, batteries and transformers are not covered under this warranty.

Note: Altronix reserves the right to make changes to any products without prior notice in order to improve reliability, function, design, or accuracy.

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