LifeSafety Power®

UNIFIED POWER SOLUTIONS® NAPCO
Integrated Wall Mount Access Control Power Supply
Standard/Managed, Single or Dual Voltage
CICP2800 Module Compatible

Overview

Unified Power Solutions for Napco integrate system power, lock power and Napco controllers into one LifeSafety Power wall mount enclosure. CICP2800 controllers and multiple LifeSafety Power FlexPower® devices can be mounted in these access control power systems, which are capable of controlling up to 16 doors.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limited, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include operational fault status, power supply output, battery charging voltage, battery charging current, and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

Enclosure Features
- Labor Saving Design
  - Pre-Wired Power Section
  - Pre-punched Knockouts
  - Flexible backplate mounting locations with threaded studs
  - Comprehensive wire management with internal tie down points
- Integrated access system with lock and system power distribution
- 120 or 230V AC user selectable input and integrated AC main switch (E6 enclosures and up)

Configuration Options
- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) controlled (C8), or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability

Network Monitoring
- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8/SD16 models)
- Monitor alert external room temperature

Fire Alarm Interface
- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive Fault Detection and Reporting
- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings
- UL, CUL

Lifetime Warranty

Ordering

*Model No.	Network	Voltage	Current	Internal Distribution		
				Bulk	Auxiliary	Lock
FPO150-B100C8D8PE6N		12 & 24 VDC	4A/12V & 4A/24V	3	8	8
FPO150-B100C8D8PNL4E6N	Yes		4A/12V & 4A/24V	4	8	8
FPO150-B100D8PM8NL4E6N	Yes		4A/12V & 4A/24V	4	8	8 MGD
FPO150/250-2C82D8PE8N			20A/12V or 10A/24V & 12A/12V or 6A/24V	4	16	16
FPO150/250-2D8P2M8NL4E8N	Yes		20A/12V or 10A/24V & 12A/12V or 6A/24V	5	16	16 MGD

MGD - Managed Outputs
Single voltage - factory set to 12VDC
Dual voltage - outputs can be individually set for 12V or 24VDC
Networking - monitors power supply, battery set and relay control outputs
For CE 230VAC option, add " / E" suffix to model number, i.e RGXS150-2D8P/E

Specifications

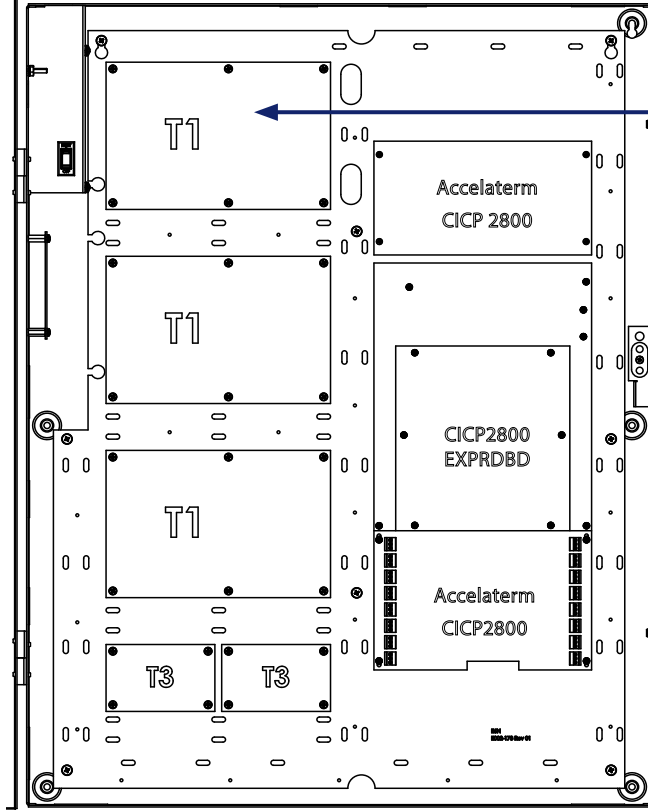|	
Input Power	Input 120/230 VAC 50/60 Hz	170 Watts (FPO150)	250 Watts (FPO250) Thermal overload protection / Short circuit protection
Output Power	FPO150 150 Watts: 12 amps at 12 VDC or 6 amps at 24 VDC *(factory default setting is 12VDC)* FPO250 250 Watts: 20 amps at 12 VDC and 10 amps at 24 VDC *(factory set to 24VDC and 12VDC)*
Internal Power Distribution	D8/D8P eight auxiliary outputs: D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C8/C8P four control outputs: C8 fused at 3A/ea, C8P Class II Power limited at 2.5A/ea M8/M8P eight managed lock outputs: M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea SD16 sixteen managed auxiliary outputs: SD16 Class II Power limited at 1A/ea – *Individually selectable outputs on dual voltage systems*
Network Connectivity for Managed Power	NL4 four SPI Connections NLX eight SPI Connections; 16 RS485 Connections
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery
External Indicators	AC on master on/off switch
Battery Charging	Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Regulatory Compliance	CE UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 /E Models are CE Compliant
Access Panel Mounting	Accomodates one CICP2800 board depending on configuration
BTU Rating	FPO150: 66BTU/Hr, FPO250: 175BTU/Hr
Operating Temperature	ALL MODELS Ambient Temperature 0ºC to 49ºC (32ºF to 120ºF) Ambient Humidity 93% at 32ºC (90ºF) maximum Storage Temperature -30ºC to 70ºC (-22ºF to 158ºF)
Physical Dimensions	E6 Size: 30.00H x 23.00W x 6.50D in. (76.20 x 58.42 x 16.50 cm)	Weight: 50 lbs. E8 Size: 36.00H x 30.00W x 6.50D in (91.44 x 76.20 x 16.51 cm)	Weight: 85 lbs.

FlexPower and Napco Configurable Footprint

Unified Power Systems allow for multiple configurations of FlexPower modules and Napco modules. These diagrams represent the maximum capacity of the system footprint.

E6N

Power Supply

This location is for the power supply. The remaining identified locations can be used for other LifeSafety Power modules.
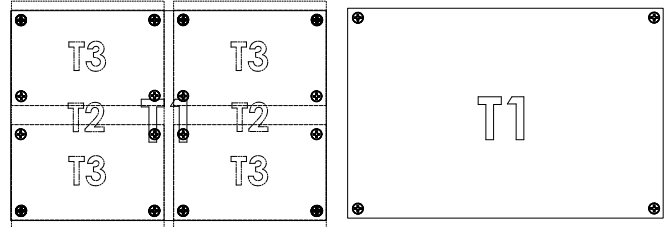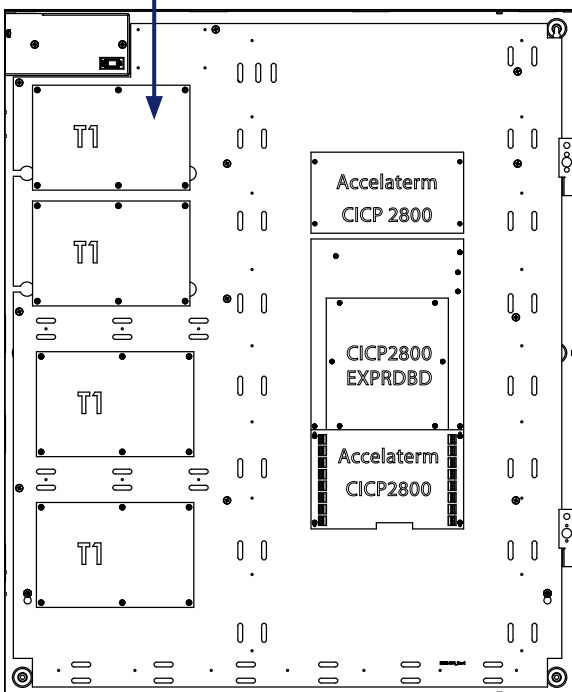
Power Supply

This location is for the power supply. The remaining identified locations can be used for other LifeSafety Power modules.

E8N

FlexPower Key

LifeSafety Power FlexPower modules come in three sizes: T1, T2, T3. The footprint for the largest module (T1) could alternatively accommodate two medium modules (T2) or four small modules (T3).

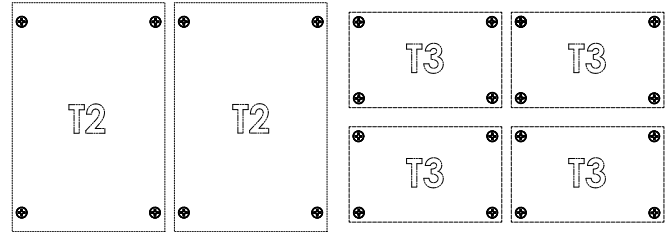The medium size footprint (T2) could alternatively accommodate two small modules (T3).

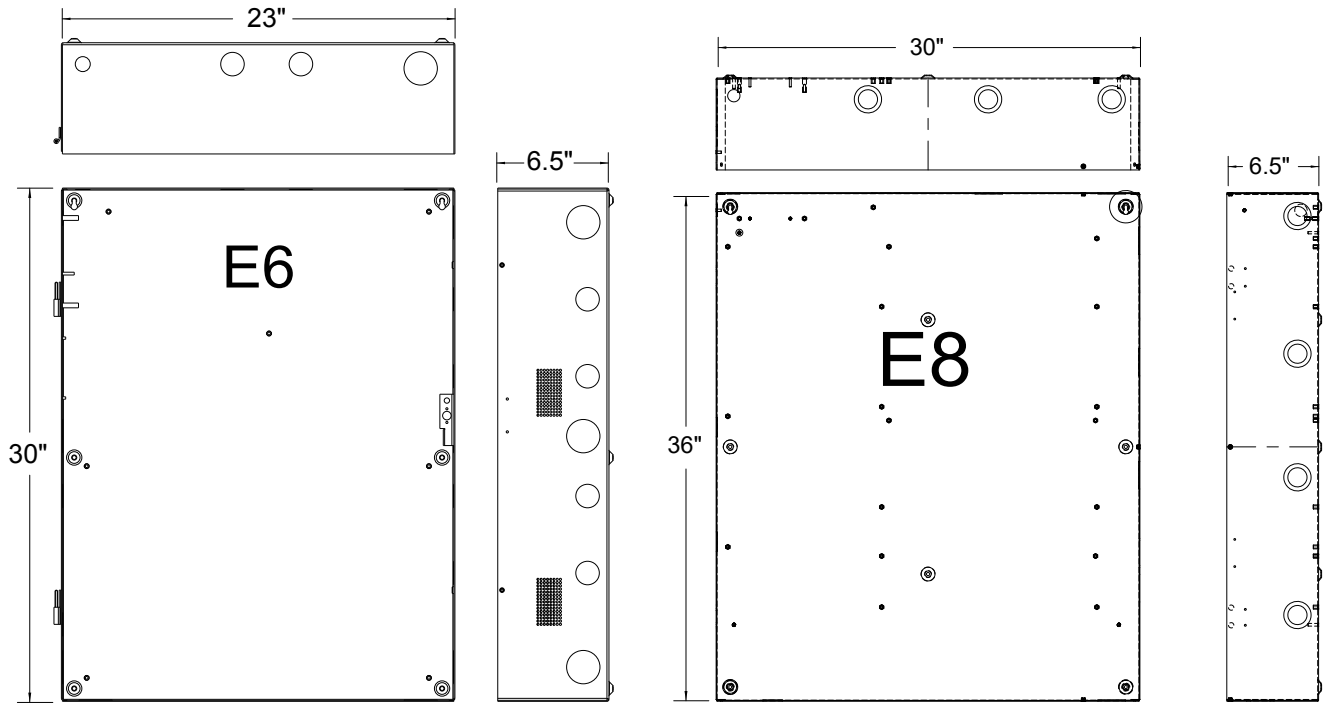8.25″ x 5.5″ x 2.5″

4″ x 6″ x 2.5″

4″ x 2.5″ x 1.5″

Flexible Configuration Options

To view customization options of the full system, check out our online Product Configurator.

Mechanical

23"

E6

30"

6.5"

30"

E8

36"

6.5"

Specifications subject to change without notice.