



# ALARM SAF

## CPS640DX-UL/CSA-APD16 16 OUTPUT, ACCESS CONTROL DUAL POWER SUPPLY DISTRIBUTION SYSTEM



Dual access control power distribution system with 2 independent power supply outputs; 6 amps @ 12/24 VDC and 4 amps @ 12/24 VDC and 16 relay controlled, PTC power limited lock outputs. Each independent power supply features field selectable voltage, power limited output and relay fault reporting. The 16 relay controlled outputs are programmable and can be used with one or both power supply outputs. Additional system features include, 3 input option modes, visual fault and status indication and Fire Alarm Interface (FAI).

Systems integration applications include system power, door strikes, mag locks, card readers and fire alarm interface for emergency exit.

**Agency Listed (UL 294 and CSA Certified).**

### SYSTEM FEATURES

#### Features

- Latching or non-latching Fire Alarm Interface (FAI)
- Class 2, power limited
- Lock voltage can be isolated from control voltage
- Visual fault and status indication
- Relay fault output
- Switching technology
- Controlled current battery charging

- Short circuit protection
- Thermal protection
- Reverse polarity protection (PTC)
- Removable Terminal Strips
- Key lockable cabinet
- Limited lifetime warranty

#### Listings

- UL 294



- CSA Certified



### SPECIFICATIONS

#### Power Distribution Specifications

- 16 outputs, individually power limited and programmable for:
  - Fail safe
  - Fail secure
  - Form 'C' relay contact
  - Constant voltage for auxiliary devices
  - Fire Alarm Interface (FAI)
- 16 inputs, individually programmable for:
  - Negative or open collector trip
  - Positive trip
  - Isolated trip
- Lock output current: Power limited @ 1.6A/output, PTC protected
- Lock input trip current: .03A per input
- Lock relay contacts rated @ 28 VDC, 12A
- Visual status indicators :
 

- Input Activation:	Red LED per input
- Control Voltage Presence:	Green LED
- Fire Alarm Interface (FAI) status:	Green LED

#### Power Supply Specifications

**NOTE: Dual system includes two independent power supplies.**

##### Power supply #1:

- Input voltage: 120 VAC
- Input current: 2.5A
- Output voltage: 12/24 VDC, Field selectable
- Output current rating: 6A continuous
  - 1 Standard uncontrolled output
  - 1 Fire Alarm Interface (FAI) controlled output
- Maximum Battery Capacity : 17 AH

##### Power supply #2:

- Input voltage: 120 VAC
- Input current: 1.7A
- Output voltage: 12/24 VDC, Field selectable
- Output current rating: 4A continuous
  - 1 Standard uncontrolled output
  - 1 Fire Alarm Interface (FAI) controlled output
- Maximum Battery Capacity : 14 AH

##### Common specifications

- Ripple: < 0.240VAC
- Operating temperature : 0°C to 50°C
- Humidity : 85% @ 30°C
- Electronically regulated and filtered output
- Visual fault indicators:
 

- AC presence:	Green LED
- DC presence:	Red LED
- Fault reporting:
  - AC Loss
  - Low Battery
  - High/Low DC

## APPLICATIONS

- Mag lock control
- Door strike control
- Fire Alarm Interface for emergency exit
- Reader Power
- Request to Exit Power
- System power

## MECHANICAL

### Cabinet Dimensions

- CPS640DX-UL/CSA-APD16 15"W x 18" L x 4" D

## ORDER INFORMATION

Order Number	Model Number	Description
02825	CPS640DX-UL/CSA-APD16	12/24 VDC, 6/4A dual power supply distribution system, 16 PTC protected outputs, agency listed.



**ALARM SAF**

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