

PSMEL2000

S E R I E S

FCBP's NEW SMART Self Diagnosing Power Supply

Operates a pair of doors with two low current exit devices simultaneously or independently control two single door leaves.



Designed to operate:

- Electric Latch Retraction Motorized Exit Devices
- Electric Strikes
- Electric Lever Trim

Additional Features:

- Fail-Secure or Fail-Safe Via Dip Switches Selection
- Intelligent Logic Protection Against Accidental Shorting of Outputs
- Solid-State Follower Relays and Operator with no Moving Mechanical Parts
- Built-in Charger for Lead Sealed or Gel Typed Acid Batteries
- Manual Test Button for Battery Conditions
- Visual LED Power Indicators
- Troubleshooting Diagnostic LEDs

AGENCY APPROVAL

- UL 294 - Access Control Unit Power Supply. Evaluated to the following levels of UL 294 6th Ed:
 - Destructive Attack - I
 - Line Security - I
 - Endurance - IV
 - Stand-by Power II
- ULC-S319 - Access Control Unit Power Supply, Class I

Battery Backup

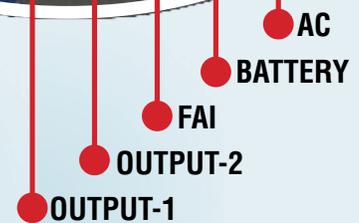
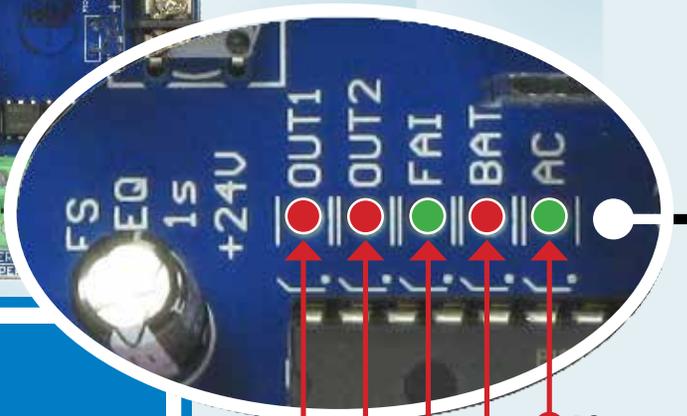
Requires (2) 12V batteries to be wired in series for 24V operation. Built-in charger for sealed lead acid batteries. Automatic switch over to stand-by battery when AC fails. (Order batteries separately.)

PSMEL2000

SERIES

FCBP's SMART SELF-DIAGNOSING POWER SUPPLY

LED status indicators are provided to monitor input status, battery condition, AC power loss, and Fire Alarm Control Panel status. Intelligent logic provides protection against accidental shorting of lock outputs.



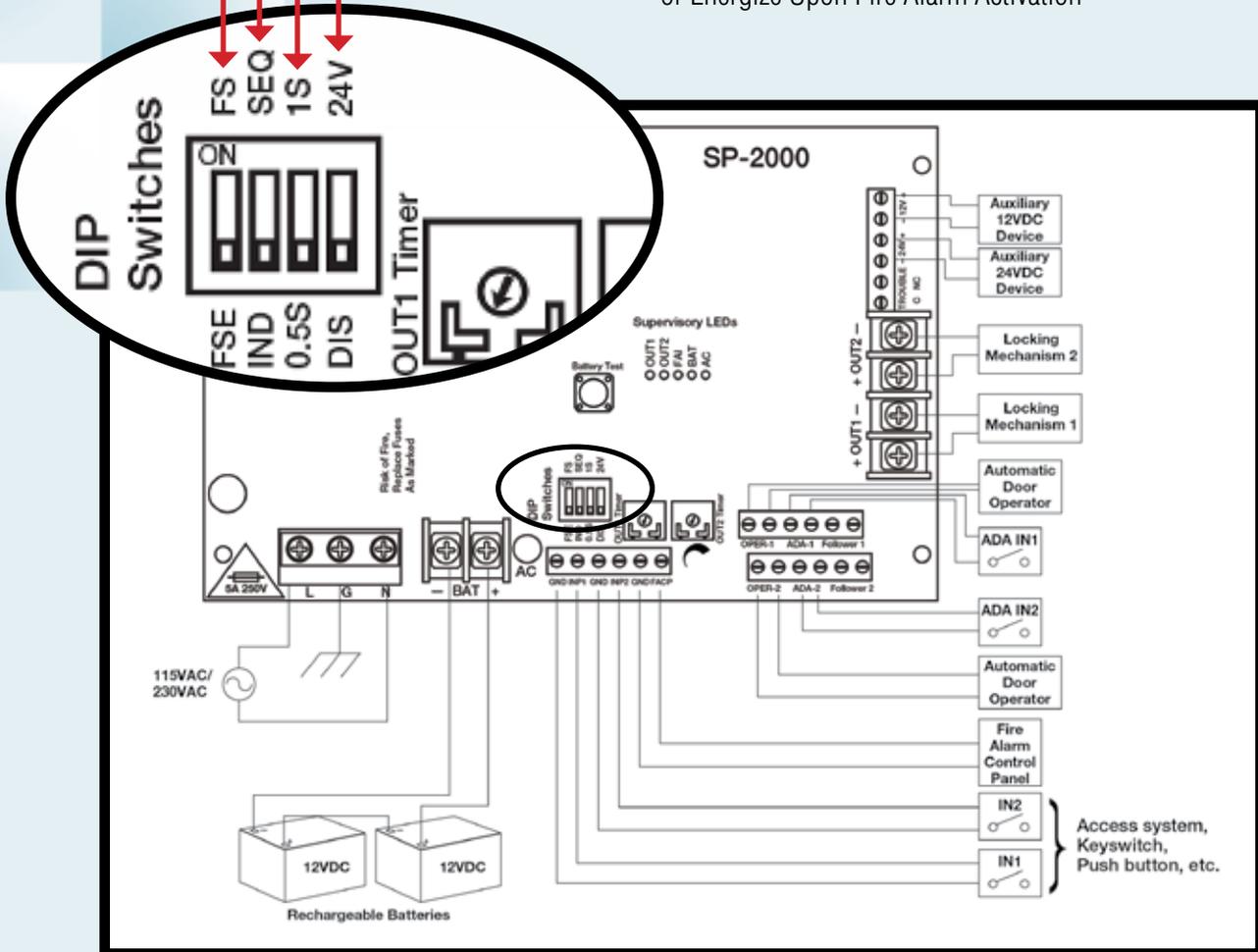
LED DIAGNOSTICS

LED	Status	Panic Device Power Controller Status
POWER	● ON	AC
	 OFF	Loss of AC
OUTPUT-1	● ON	Energized
	● Rapid Blink	Short Circuit Over Current
	● Slow Blink	Open Circuit
	 OFF	De-Energized
OUTPUT-2	● ON	Energized
	● Rapid Blink	Short Circuit Over Current
	● Slow Blink	Open Circuit
	 OFF	De-Energized
FAI	● ON	FACP Input Triggered (Alarm Condition)
	 OFF	FACP Normal (Non-Alarm Condition)
BATTERY TROUBLE	● ON	Battery Normal
	 OFF	Bad Battery or No Battery
AC TROUBLE	● ON	Normal
	● Slow Blink	AC Low or Missing

2-CONDUCTOR (Stranded Only)

Wire Gauge	Maximum Distance
12 AWG	720 FEET
14 AWG	450 FEET
16 AWG	280 FEET
18 AWG	180 FEET
20 AWG	110 FEET
22 AWG	70 FEET

- **DIP SWITCH-1:** Fail-Secure or Fail Safe Selection
- **DIP SWITCH-2:** Independent or Sequential Output Operation
- **DIP SWITCH-3:** 0.5 Seconds or 1.0 Seconds Operator Relay Delay
- **DIP SWITCH-4:** FACP Interface Power Disconnect or Energize Upon Fire Alarm Activation



MAIN OPERATIONAL FEATURES

- Filtered and Regulated DC Outputs
- Two (2) Fail-Safe or Fail-Secure Lock Output Configuration
- Independent or Sequential Lock Output Operation
- 24VDC Auxiliary Power Output Rated at 0.8 amp
- 12VDC Auxiliary Power Output Rated at 0.5 amp
- LED Indicators for Troubleshooting Diagnostics
- Configurable Fire Alarm Interface can Disconnect or Apply Power to the Lock when Activated
- Easy Select DIP Switch Settings
- Built-In Re-Lock Delay Timers

POWER SUPPLY SELECTOR

	PSMEL 1500-1	PSMEL 2000	PSEL 3000	PSEL 1500
Powers up to 1 (one) MEL Device	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Powers up to 2 (two) MEL Devices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Powers up to 1 (one) EL Device	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Powers up to 2 (two) EL Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjustable delay for exit device re-locking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capable of triggering external relays	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provide delayed triggering for Automatic Doors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24vDC auxiliary power for keypad, code readers, motion detectors, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12vDC auxiliary power for keypad, code readers, motion detectors, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Designed with logic protecting against accidental shorting of lock outputs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Built-in battery back-up available	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Alarm Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Independent or sequential door control with output relays for ADA actuators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Testing and agency approval UL=294/ulc-S319	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Complete Your System with our Selection of Power Supplies



PSMEL1500 SERIES



- Operates 1 Motorized Exit Device
- UL Listed for Access Control System Units (UL 294)
- One (1) 24VDC lock output rated @ 1 amp continuous supply current
- Fire Indicators;
Green LED = AC Power
Red LED = Disconnected
- Battery back-up
(Requires separate enclosure)

Economical Single Door Power Supply for our MEL3600 & 3700 Series or Electric Strikes

PSEL3000-2 SERIES



- Operates 2 Solenoid Exit Devices
- UL Listed for Access Control System Units (UL 294)
- Two (2) 24VDC lock output rated @ 16 amp for 300ms, 0.50 amp continuous supply current
- Two (2) auxiliary lock outputs
(1) 24vDC rated @ 0.75 amp
(1) 12vDC rated @ 0.5 amp
- Fire Alarm Disconnect
- Visual Indicators
Green LED = AC Power
Green LED = Panic Device Status (activated, short or open circuit)
Red LED = FACP Activated
- Battery back-up
(optional or "ready")

FCBP's 16 amp in rush 2 door power supply for our EL3600 & 3700 Series and MEL3600 & 3700 Series or Electric Strikes

PSEL1500 SERIES



- Operates 1 Solenoid Exit Device
- UL Listed for Access Control System Units (UL 294)
- One (1) 24VDC lock output rated @ 16 amp for 300ms, 0.50 amp continuous supply current
- One (1) auxiliary lock output
(1) 12vDC rated @ 0.5 amp
- Fire Alarm Disconnect
- Visual Indicators
Red LED = Unlock Status
- Battery back-up
(Requires separate enclosure)

FCBP's 16 amp in rush 1 door power supply for our EL3600 & 3700 Series and MEL3600 & 3700 Series or Electric Strikes