

SPECIFICATIONS

INPUT:

- Input 115VAC 60Hz, 2.5A or 230VAC, 50Hz, 1.5A.
- Two (2) NO trigger inputs.
- FACP Normally Closed (N.C.) input.
- Two normally open ADA inputs for special mode of interfacing with automatic door operators.
- Input fuse rating: 3A.

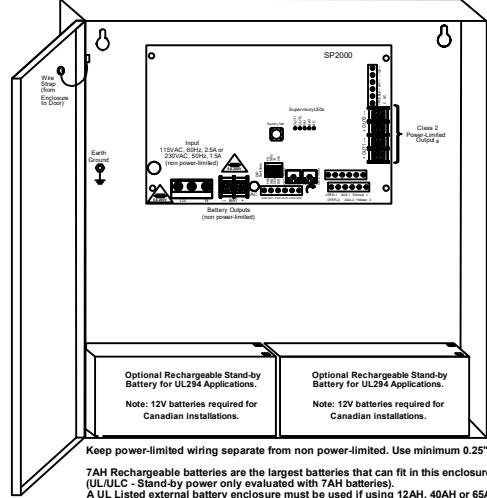
OUTPUTS:

- Power options:
 - Two (2) 19.8VDC to 26.4VDC individually controlled lock outputs configurable for applications with battery back-up, 24VDC to 26.4VDC rated for applications without battery back-up (US applications only).
 - Current rating 2A combined.
- One (1) 19.8VDC to 26.4 VDC @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.

BATTERY BACK-UP:

- Requires two (2) 12V batteries to be wired in series for 24 operation.
- Note: Batteries not included with power controller, must be ordered separately.
- When 7AH batteries are used, battery capacity for emergency stand-by is 30 minutes.
- Built-in charger for sealed lead acid batteries.
- Maximum charge current 650mA.
- Automatic switch over to stand-by battery when AC fails.
- Battery PTC rating: 6A.
- Battery leads included.

WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Replace fuse with the same type and rating: Input Fuse is rated at 5A/250V, Battery PTC rated at 6A.



VISUAL INDICATORS:

- Green AC Power LED indicates AC present.
- Red trigger output LEDs indicate panic device status/opened (activated, short circuit).
- Green Fire Alarm Interface (FAI) LED indicates FACP interface is activated.
- Red Battery LED indicates low battery during AC failure and battery test.
- Green AC LED indicates loss of AC trouble.

FIRE ALARM DISCONNECT:

- Normally Closed FACP trigger input.
- Programmable Fire Alarm Disconnect options:
 - Removes power to outputs and disables delayed follower relays.
 - Connects power to lock outputs and enables delayed follower relays.

Agency Listings:

- UL 294: Access Control Unit Power Supply.
 - Evaluated to the following levels of UL 294 6th edition:
 - Destructive Attack - I, Line Security - I.
 - Endurance - IV, Stand-by Power - II.
- ULC-S319: Access Control Unit Power Supply, Class 1.

ELECTRICAL:

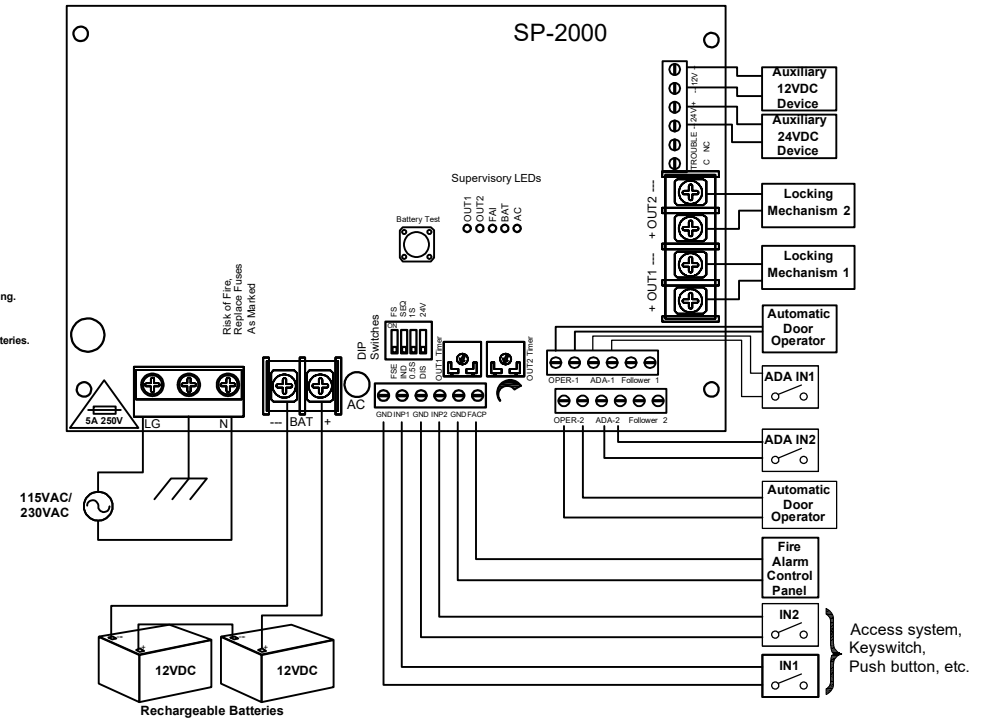
- Operating temperature: 0° C to 49° C (32°F to 120°F) ambient.
- Storage temperature: -20° C to 70° C (-4°F to 158°F) ambient.
- BTU/Hr.: 120 BTU/Hr.
- Relative Humidity: 85% +/-5%.

MECHANICAL:

- Enclosure Dimensions (H x W x D approx.): 13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.55mm).
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Product weight (approx.): 6.25 lbs. (2.83 kg).
- Shipping weight (approx.): 7.15 lbs. (3.25 kg).

NOTE:

For use only with MEL (Motor Electrified) Paneline Exit Device



Wiring Distance Table (based on 1A max. load locking hardware):

| Wire Gauge | Distance |
|-----------------|----------|
| 18 AWG Stranded | 180 ft. |
| 16 AWG Stranded | 280 ft. |
| 14 AWG Stranded | 450 ft. |
| 12 AWG Stranded | 720 ft. |

| | | | | | |
|--------|---------------------|-----------------------------------|------|---------------------------|----------|
| DRAWN: | MATERIAL AND FINISH | 95378-114 | A | CONTROLLER WAS CONTROLLER | 03/18/19 |
| SLL | | E.C. NO. | REV. | DESCRIPTION | DATE |
| DATE: | 02/19/19 | PART DESC. | | SP2000 POWER CONTROLLER | |
| CHECK: | RAC | PDM PART NUMBER | | | 050423 |
| APPRD: | MSH | FILE NAME | | | 050423 |
| SCALE: | NONE | Product Engineering & Development | | | |

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