



SP-1000X Panic Device Power Controller



SP-1000X
(order batteries separately)

Overview

The SP-1000X will operate up to two (2) 24VDC panic hardware devices simultaneously. It is designed to handle the high in-rush current panic hardware locking devices demand. Each lock output has an adjustable relock delay timer. It will control a pair of doors simultaneously or independently control two individual doors. It has a follower relay for each output to trigger external relays, control ADA push plate switches, etc. Delayed follower relays control automatic door operators for doors that are always locked or for doors that are unlocked during the business day. In addition, two un-switched auxiliary voltage outputs are provided for powering card readers, keypads, REX PIRs, electronic timers, relays, etc. A configurable FACP interface will either provide power or remove power to the lock outputs when activated. LED status indicators are provided to monitor AC power, FACP status and for lock output wiring supervision. Intelligent logic provides protection against accidental shorting of lock outputs.

Specifications

Input:

- Input 115VAC 60Hz, 6.3 amp.
- Two (2) NO trigger inputs.
- Input fuse rating: 6.3 amp.

Outputs:

- Power options:
 - Two (2) 20VDC to 26.4VDC individually controlled lock outputs for applications with battery back-up. 24VDC for applications without battery back-up (US applications only). Current rating 15 amp for 300ms, 0.75 amp continuous supply current.
 - 5V holding voltage with 20VDC to 26.4VDC initial 100ms pulse. Maximum total 5V holding current of both outputs is 0.74 amp.
- One (1) 20VDC to 26.4VDC for applications with battery back-up, 24VDC for applications in US not requiring battery back-up. Auxiliary output rated @ 0.75 amp continuous supply current (Not affected by FACP trigger).
- One (1) 12VDC filtered regulated auxiliary output rated @ 0.5 amp (Not affected by FACP trigger).
- Two (2) follower form "A" SPST relay outputs rated @ 0.6 amp/28VDC. Relays energize while input is closed.
- Two (2) delayed follower Normally Open relay outputs rated @ 0.6 amp/28VDC. Delay time is selectable 0.5 seconds or 1 second. Energized duration is 1 second.
- Trouble relay output indicating low DC output voltage.

Battery Backup:

- Battery fuse rating: 25A/32V.
- Maximum charge current 650mA.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- When 7AH batteries are used, battery capacity for emergency stand-by is 30 minutes.

Visual Indicators:

- Green AC Power LED indicates 115VAC present.
- Red trigger input LEDs indicate panic device status/trouble (activated, short or open circuit).
- Green Fire Alarm Interface (FAI) LED indicates FACP disconnect is activated.
- Red Battery LED indicates low battery during AC failure and manual test.
- Green AC LED indicates loss of AC trouble (not active during manual test sequence).

Fire Alarm Interface:

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

Additional Features:

- Manual testing to allow to tests battery conditions.
- Adjustable panic release from 0.3 sec. to 30 secs.
 - Note:** Follower and Delay relay turns off when the potentiometer selected time elapses after release of the input trigger.
- Cam lock included.

Electrical:

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.: 196.5 BTU/Hr.
- System AC input VA requirement: 218.5VA.

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. (3.24 kg).

Agency Approvals



UL Listed for Access Control System Units
(UL 294).



ULC-S319 - Access Control Unit Power
Supply. Class 1.



CSFM - California State
Fire Marshal Approved.

Enclosure Dimensions (H x W x D approximate):

13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.55mm)

