



SP2000

Low Current Locking Device Power Controller

Rev. SP2000-03202018

Description

SP-2000 will operate up to two (2) low current lock hardware devices simultaneously. It is designed to operate motorized electric latch retraction exit devices, electric strikes, mag-locks, electric mortise and cylindrical locksets, etc. Each lock output has an adjustable re-lock delay timer. It will control a pair of doors simultaneously, or independently control two single door leafs. SP-2000 has integrated output relays which trigger automatic door operators and control ADA activation push plates/accessories. In addition, one (1) 12VDC and one (1) 24VDC unswitched auxiliary voltage outputs are provided for powering ancillary devices. A configurable FACP interface will either remove or apply power from the lock outputs when activated. LED status indicators are provided to monitor input status, battery condition, AC power loss, and FACP status. Intelligent logic provides protection against accidental shorting of lock outputs.



SP2000
(order batteries separately)

Specifications

Input

Voltage	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.
Fusing	Input fuse rating: 3A.

Outputs

Power options:

- Two (2) 19.8VDC-26.4VDC rated individually controlled lock outputs configurable for fail-secure or fail-safe electronic locking hardware for applications with battery back-up. 24VDC-26.4VDC rated for applications without battery back-up (US applications only). Current rating 2A combined.
- One (1) 19.8VDC-26.4VDC @ 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.

Back-up Battery

Type	Sealed lead acid or gel type.
Failover	Upon AC loss, instantaneous. When 7AH batteries are used, battery capacity for emergency stand-by is 30 minutes.

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.

Indicators (LED)

AC Power (Green)	Input voltage is present.
Trigger Input (Red)	Panic device status/trouble.
FAI (Green)	FACP disconnect.
Battery (Red)	Low battery.

Agency Listings

UL	
UL 294	Access Control Unit Power Supply.
cUL	
ULC-S319	Access Control Unit Power Supply. Class 1.

Physical and Environmental

Dimensions (H x W x D)	
	13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.6mm). Enclosure accommodates up to two (2) 12VDC/7AH batteries.
Product Weight	6.25 lbs. (2.83 kg).
Shipping Weight	7.15 lbs. (3.24 kg).
Temperature	
Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F).
Relative Humidity	85% +/-5%.
BTU/Hr:	120 BTU/Hr.