

UltraSync™ Modular Hub Smart Power Supply

UM-SPS



OVERVIEW

The UltraSync™ Modular Hub Smart Power Supply provides additional auxiliary power, battery backup capacity, bus length extension and optical bus isolation.

When additional battery backup capacity is required, an additional battery can be installed (up to two), affording you the flexibility to configure the module for a variety of system design requirements.

This module provides the option to extend the RS-485 bus length up to an additional 2,600 ft. (800m). The extended RS-485 bus is optically isolated when configured in this way. Up to eight smart power supplies can be used per system.

For convenience, two hardwired zones and two programmable relays are available.

STANDARD FEATURES

- Designed exclusively for the UltraSync Modular Hub
- Simple installation
- Provides additional current and battery backup capacity
- 2 hardwired zone inputs
- 2 programmable relays
- Fully supervised by panel
- Provides optical bus isolation and bus length extension

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Specifications

Compatibility	UltraSync Modular Hub systems
Voltage Input	16 – 18 VAC 40 VA transformer 18 – 26 VDC
Current Draw Average*	40 mA
Maximum/Alarm**	40 mA
Current Output	1 Battery: 1,500 mA 2 Batteries: 1,100 mA
Maximum Battery Capacity	1 Battery: 17.2 AH 2 Batteries: 34.4 AH
Maximum Number of Units per Bus Segment:	1
Hardwired Zones	2
Relays	2
Data Bus	Encrypted RS-485 Supports length extension up to 2,600 ft
Screw Terminals	Accepts 16 – 30 AWG
Dimensions (W x H x D)	4.64 x 2.79 x 2.5 in. (118 x 71 x 64mm)
Storage Temperature	-30° to 140°F (-34° to 60°C)

Operating Temperature

Non UL/ULC Installations	14° to 131°F (-10° to 55°C)
UL/ULC Installations	32° to 120°F (0° to 49°C)

Relative Humidity

Non UL/ULC Installations	95% noncondensing
UL/ULC Installations	85% noncondensing

Approval Listings	FCC/IC UL-609 (Local burglar alarm units and systems) UL-636 (Holdup alarm units and systems) UL-365 (Police-connected burglar alarm units and systems) UL-985 (Household fire warning systems) UL-1023 (Household burglar alarm systems) UL-1076 (Proprietary systems) UL-1610 (Central station burglar alarm) UL-1635 (Digital alarm communicator systems) UL-1637 (Home healthcare signaling equipment) CA State Fire Marshal (CSFM) ULC-S303 (Local burglar alarm units and systems) ULC-S304 (CMS burglar alarm units) ULC/ORD-C1023 (Household burglar alarm systems units) ULC-S545 (Residential fire) ULC/ORD-C1076 (Proprietary systems) SIA CP-01 2014
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*If hardwired sensor(s) are powered from the UM-SPS, sensor current must be included in the power budget calculations of the UM-SPS.

**For each programmed/active relay, add 25 mA to the power budget calculations of the UM-SPS. If positive switching is utilized, the additional current draw of the connected load must be included in the power budget calculations of the UM-SPS.

Ordering Information

UM-SPS	UltraSync Modular Hub Smart Power Supply
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