

HPF902ULADA

Fire Alarm Power Supply

Description

The HPF902ULADA Fire Alarm Power Supply from Honeywell Power Products offers the highest value among power supplies available today. It delivers 9.0 A of notification appliance circuit power and built-in synchronization for appliances from System Sensor, Gentex, Wheelock, and Faraday. Our design represents the state-of-the-art in fire alarm supplies. Yet for all its sophistication, it is an extremely cost-effective notification power supply.

The HPF902ULADA is a 9.0 A notification power expander that provides its own AC power connection, battery charging circuit, and backup battery space, for use with fire and security controls. It is ideal for powering notification appliances required by the Americans with Disabilities Act (ADA). It contains a built-in ANSI cadence pattern, which can upgrade older control panels that lack cadence capability.

Benefits

- Extends and supports power for additional fire alarm devices.
- Instantaneous switchover to standby battery (if equipped) when AC fails, maintaining power to all attached devices without intervention.
- Strobe signal "passes through" allowing syncing of large systems.
- LED lights for quick and easy diagnosis, troubleshooting, and status indication.

Features

- 9.0 A of notification power.
- 24 VDC filtered output voltage.
- DIP switches for easy reconfiguration.
- Power supply has advanced switch-mode design.
- Four power-limited notification outputs: two Class A, or four Class B, or one Class A and two Class B.
- Additional continuous auxiliary output.
- 3.0 A per output circuit.
- Two inputs; two Class B or two Class A.
- Ground fault detector/indicator.
- Independent trouble relay.
- AC loss delay option shuts off power to nonessential high current accessories, such as magnetic door holders.
- Built-in synchronization for appliances from System Sensor, Gentex, Wheelock and Faraday.
- Stand-alone operation.
- Lightweight design adds to ease of installation and reduces shipping costs.
- Operates with most polarized, UL-Listed notification devices.
- Complies with UL 864, UL 1481, and NFPA 72.
- Built-in ANSI cadence pattern output capability.
- Connection to local fire control:
 - May be connected to a local fire control which utilizes Class A or Class B type notification circuits operating between 9 and 32 VDC.



- One unit can be connected to each notification circuit on the control panel and still provide full supervision of the notification circuits all the way to the control panel.
- Supervision for a variety of functions, including:
 - Low AC power.
 - Low battery condition.
 - Earth ground fault.
 - Auxiliary output power limit condition.
 - EOL supervision trouble or power-limited condition at an output.
 - Form-C trouble relay.

Electrical Specifications

- AC input: 120 VAC @ 3.6 A.
- Output: 24 VDC @ 9.0 A (9.0 A total from all notification circuits and auxiliary circuit).
- Amps per output circuit: 3.0 A.
- Current draw of unit on battery: 75 mA standby, 175 mA in alarm.
- Auxiliary power circuits: 1.
- Notification circuits: 4.
- Output configuration options: 2 Class A (Style Z); 4 Class B (Style Y); or 1 Class A and 2 Class B.
- Notification circuit output: 20.4 to 27.3 VDC @ 3.0 A each.
- Inputs: 2, with configuration 2 Class B or 2 Class A.
- Input voltage range: 9 – 32 VDC.
- Battery charging capacity: 33.0 AH.
- Ambient temperature rating: 32°F to 120°F (0°C to 49°C).
- Relative humidity: 85% non-condensing maximum.

Mechanical Specifications

- Dimensions: 16.0" H x 12.25" W x 3.0" D (cm: 40.64 H x 30.88 W x 7.62 D).
- Indicator lights: AC Power On (green), Battery Trouble (yellow), Ground Fault (yellow), Aux Trouble (yellow), Output Troubles (1 – 4, yellow).

Listings

Listings and approvals below apply to the basic HPF902ULADA panel. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listed: file S6677
- CSFM: 7300-1637

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.
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