RPS-1000 / RPS-1000B

6 Amp Intelligent Distributed Power Module

RPS-1000 is an intelligent distributed power module that adds 6.0 amps of power, six Flexput™ I/O circuits, and two Form C relay circuits to a compatible Honeywell Farenhyt Series addressable system. The RPS-1000 is available in a red (RPS-1000) or black (RPS-1000B) cabinet. The RPS- 1000 connects to the FACP via the RS-485 system bus allowing up to an additional 6,000 feet of wiring. Each RPS- 1000 is optically isolated providing ground loop isolation and transient protection. RPS-1000 supports its own backup battery and monitors the AC power.

The Flexput circuits can be programmed as notification appliance circuits, continuous, re-settable, or door holder power, or as conventional initiation circuits for 2 or 4-wire smoke detectors and contact devices (e.g. pull stations).Installation.

Compatibility

The RPS-1000 and RPS-1000B are compatible with the following Farenhyt Series FACP's:

- IFP-2100ECS / IFP-2100ECSB (63 max per panel)
- IFP-2100 / IFP-2100B / RFP-2100 / RFP-2100B (63 max per panel)
- IFP-2000 / RPS-2000 / IFP-2000ECS (63 max per panel)
- IFP-300 / IFP-300B / IFP-300ECS / IFP-300ECSB (16 max per panel)
- IFP-1000 / IFP-1000ECS (8 max per panel)
- IFP-100 / IFP-100ECS (8 max per panel)
- IFP-50 (8 max per panel)

RPS-1000B

FEATURES & BENEFITS

- 6.0 amps output power
- Supports Class A (Style 6) and Class B (Style 4) configuration of the SBUS
- Two Form C programmable relays rated at 2.5A @ 24 VDC

- Ground loop isolation and transient protection
- Provides SBUS optical isolation and re-conditions the RS- 485 signal
- Built-in synchronization for appliances from System Sensor®, AMSECO, Gentex®, and Wheelock®

- Up to 6,000 foot wiring distance from the RPS-1000
- Battery charging capacity is 35AH
- Large cabinet size can house two 18AH backup batteries or RBB accessory cabinet can house battery sizes larger that 18AH

- Room to mount two 6815 or 5815XL SLC expander modules
- Six onboard Flexput circuits programmable for:
- Notification appliance circuits (Class B/Style Y & Class A/Style Z)

- Conventional initiation circuits (Class B/Style B & Class A/Style D) both 2- and 4-wire
- Auxiliary power (for door holders, continuous power, or resettable power)

RPS-1000 / RPS-1000B Technical Specifications

PHYSICAL

Mounting Dimensions: 14.5"W x 24.75"H x 3.9"D (36.8 cm W x 62.9 cm H x 9.8 cm D)

Overall Dimensions: 16.1"W x 26.4"H x 4.1"D (40.6 cm W x 67 cm H x 11.8 cm D)

Color: Red or Black

ENVIRONMENTAL

Operating Temperature: 32°F-120°F (0°C -49°C)

Humidity: 10%-93% non-condensing

ELECTRICAL

Primary AC: 120 V, 50 or 60Hz, 2.5A, or 240V, 50 or 60Hz, 1.4A

Total Accessory Load: 6A @ 24VDC

Current

Standby: 40mA

Alarm: 160mA

SBUS Standby & Alarm: 10mA

Flexput Circuits:

Notification: 3amps per circuit (6A system total)

Initiation: 100mA power limited @ 24VDC

ORDERING INFORMATION

RPS-1000: Intelligent Distributed Power Module, Red

RPS-1000B: Intelligent Distributed Power Module, Black

RPS-1000HV: High voltage (240V) Intelligent Distributed Power Module

ACCESSORIES

RBB: Remote Battery Box Accessory Cabinet. 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)

AB-55: Remote Battery Box Accessory Cabinet. 20"W x 12" H x 7.5" D

6815: SLC Expander Module for IDP or SK devices

5815XL: SLC Expander Module for SD devices

SK-SCK: Seismic Compliance Kit

AGENCY LISTING AND APPROVALS

NFPA 13, NFPA 70, NFPA 72, UL 2572, UL 1711 & UL 864: Local Protective Signalling Systems;

UL Listed

CSFM

City of New York: 429-92-E Vol IX

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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For Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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