

# RPS-1000 SERIES

## Intelligent Distributed Power Module

The 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 or a black (RPS-1000B) cabinet for 120VAC operation and in a red cabinet for 240VAC operation (RPS-1000HV).

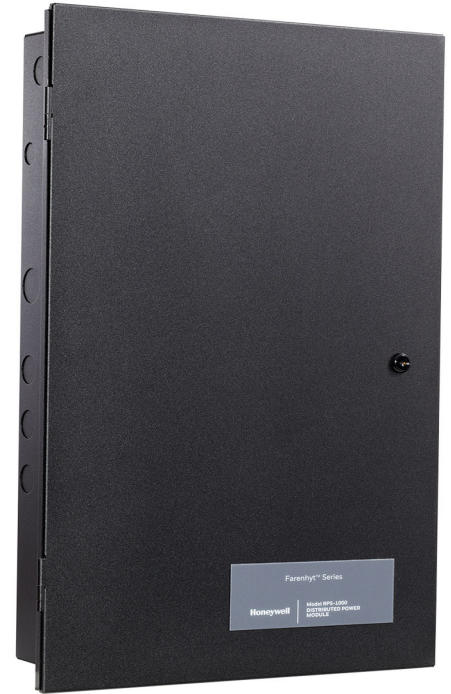
The RPS-1000 connects to the FACP via the RS-485 system bus allowing up to an additional 6,000 feet of wiring. Each RPS-1000 is optically isolated providing ground loop isolation and transient protection. The RPS-1000 supports its own backup battery and monitors the AC power.

The Flexput circuits can be used as notification appliance circuits, continuous power, resettable power, door holder power, or as conventional initiation circuits that can support both 2- and 4-wire smoke detectors and contact devices (e.g. pull stations). All Flexput circuits and relay outputs are individually mappable from the Farenhyt FACP.

### COMPATIBILITY

The RPS-1000 Series is compatible with the following Farenhyt FACPs:

- IFP-2100ECS / IFP-2100ECSB / IFP-2100ECSHV / IFP-2100ECSHVB (63 max. per panel) IFP-2100 / IFP-2100B / IFP-2100HV / IFP-2100HVB / RFP-2100 / RFP-2100B / RFP-2100HV / RFP-2100HVB (63 max. per panel) IFP-2000, IFP-2000ECS, IFP-2000HV (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-75 (8 max. per panel)



### FEATURES AND BENEFITS

- Complies with UL 864 10th Edition and ULS 2572 2nd Edition Standards
- Provides 6.0 amps output power
- Uses Flexput I/O circuits, 3A each, programmable as notification circuits, auxiliary power, circuits, or initiation circuits
- Supports Class A and Class B configuration of the SBUS and Flexput circuits
- Includes Two Form C programmable relays rated at 2.5A @ 24 VDC
- Ground loop isolation and transient protection
- SBUS optical isolation and re-conditions the RS-485 signal
- Built-in synchronization compatible with appliances from System Sensor®, AMSECO®, Gentex®, and Wheelock®
- Up to 6,000 foot wiring distance from the RPS-1000
- Battery charging capacity is 35AH
- Offers a large cabinet size that can house the following:
  - two 18AH backup batteries
  - RBB accessory cabinet that can house battery sizes larger than 18AH
- Allows space to mount two 6815 or 5815XL SLC expander modules
- Provides transient protection
- SBUS repeater conditions the RS-485 signal RPS-1000
- Six onboard Flexput circuits programmable for the following:
  - Notification appliance circuits (Class B/Class A)
  - Conventional initiation circuits (Class B/ Class A) both 2- and 4-wire
  - Auxiliary power (for door holders, continuous power, or resettable power)

**Honeywell**

Farenhyt Series

# RPS-1000 SERIES TECHNICAL SPECIFICATIONS

## PHYSICAL

### Mounting Dimensions:

14.05"W x 24.75"H x 3.09"D

(36.08 cm W x 62.09 cm H x 9.08 cm D)

### Overall Dimensions:

16.01"W x 26.04"H x 4.01"D

(40.6 cm W x 67.0 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 VRMS, 50 or 60Hz, 2.5A, or 240 VRMS 50 or 60Hz, 1.4A

**Total Accessory Load:** 6A @ 24VDC

### Currents:

**Standby:** 40mA

**Alarm:** 160mA

**SBUS Standby & Alarm:** 10mA

### Flexput Circuits:

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

**Initiation:** 100mA power-limited @ 24VDC

## ORDERING INFORMATION

**RPS-1000:** Intelligent Distributed Power Module, red, 120VAC operation

**RPS-1000B:** Intelligent Distributed Power Moduleblack, 120VAC operation

**RPS-1000HV:** Intelligent Distributed Power Module, red, 240VAC operation

Specify 120 VAC or 240 VAC operation when ordering.

## 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)

**6815:** SLC Expander Module for IDP or SK devices

**5815XL:** SLC Expander Module for SD devices

**SK-SCK:** Seismic Compliance Kit

## STANDARDS AND CODES

The RPS-1000 complies with the following standards and codes.

- UL 864, 10th Edition: Standard for Control Units for Fire Alarm Systems
- UL 2572, 2nd Edition: Standard for Mass Notification Systems
- NFPA:
  - NFPA 13
  - NFPA 70
  - NFPA 72

## AGENCY LISTING AND APPROVALS

- UL Listed: S35111
- FDNY Approved
- FM Approved

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Country of origin: U.S.A.

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