Farenhyt

SILENT KNIGHT
by Honeywell

Addressable Fire Control Panel

Scalable Analog/Addressable Fire Alarm Control System

IFP-2000 / RPS-2000

The IFP-2000 is an intelligent analog/addressable fire alarm control panel (FACP). The basic IFP-2000 panel contains one built in signaling line circuit (SLC), which can support 159 IDP sensors and 159 IDP modules or 127 SD devices per loop. Additional SLC loops can be added using the model 5815XL SLC expander to increase the overall point capacity to a maximum of 636 points per panel.

IFP-2000 has the interconnection capability for up to 16 panels. The system has two modes of operation, Multiple panels covering one larger building, or multiple independent buildings.

RPS-2000 is used in a networked system where at least one IFP-2000 is in the system. It is the same as an IFP-2000 without the display.

IFP-2000 has eight on-board Flexput™ circuits that can be configured for auxiliary power, notification outputs, or for conventional smoke detector inputs (Class A or Class B). The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay, and two programmable Form C relays. IFP-2000 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

IFP-2000 supports a variety of devices, including RA-2000 remote annunciator, 5824 serial/parallel printer interface module (for event logging system reports), RPS-1000 intelligent power module, and IDP or SD protocol SLC devices.

Features

- Built-in support for up to 159 IDP sensors and 159 IDP modules or 127 SD devices SLC devices. SLC expander will increase overall capacity to 636 points per IFP-2000 panel.
- RPS-2000 is used in a networked system where at least one IFP-2000 is in the system.
- Up to 16 IFP-2000 or RPS-2000 panels can be networked providing up to 10,176 total points.
- Networked panels can be configured to emulate a large virtual system or can be segmented into separate sites for multiple building applications.
- Built-in UL listed digital communicator for remote reporting of system activity and system programming.
- 9.0A of output power is available through 8 sets of terminals for notification and auxiliary applications per panel.
- Supports Class B (Style 4) and Class A (Style 6 or Style 7) configuration for SLC, and SBUS.
- JumpStart auto programming allows for faster set up time by selecting default options for many programming tasks.
- System automatically tests IDP addressable devices.
- 999 software zones and 999 output groups.

Agency Listings

City of New York

IFP-2000

- Flexput™ I/O circuits configurable for auxiliary power, notification outputs, or conventional smoke detector inputs. Notification circuits can be configured as Class A (Style Z) or Class B (Style Y). 2- and 4-wire smoke detectors can be configured as Class A (Style D) or Class B (Style B).
- Two RS-485 buses provide communication to system accessories.
- Built-in USB interface for programming.
- Dedicated Form C trouble relay and two general purpose Form C programmable relays rated at 2.5 amps at 24 VDC.
- 13 preset notification cadence patterns (including ANSI 3.41) and four user programmable patterns.
- Four line LCD display with 40 characters per line.
- Built-in synchronization for appliances from AMSECO, Gentex®, System Sensor®, and Wheelock®.
- Programmable date setting for Daylight Saving Time.
- The IFP-2000 / RPS-2000 can be surface or flush mounted.
- Four programmable function keys.

P/N 350028 Rev G

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Specifications

Physical

Flush Mount Dim: 14.75”W x 25”H x 4”D
(37.5 W x 63.5 H x 10.16 D cm)

Overall Dimensions: 16”W x 26.4”H x 4.65”D
(40.6 W x 67 H x 11.8 D cm)

Weight: 28 lbs. (12.8 kg)

Color: Red

Environmental

Operating Temperature: 32ºF – 120ºF (0ºC – 49ºC)

Humidity: 10% – 93% non-condensing

Electrical

IFP-2000 AC: 120 VAC, 50/60 Hz, 5.0A

IFP-2000HV AC: 240 VAC, 50/60 Hz, 2.5A
Total Accessory Load: 9A @ 24 VDC power-limited

Standby Current: 290 mA

Alarm Current: 530 mA

Battery Charging Capacity: 17 to 55 AH

Battery Size: 18 AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB or AB-55 accessory cabinet.

Flexput Circuits

Eight circuits that can be programmed individually as:
Notification Circuits: 3A per circuit @ 24 VDC, power-limited
Auxiliary Power Circuits: 3A per circuit @ 24 VDC, power-limited

Initiation Circuit: 100 mA per circuit @ 24 VDC, power-limited

Indicator Lights

General Alarm (Red): On when in alarm

Supervisory (Yellow): On when a supervisory condition exists

System Troubles (Yellow): On when a trouble condition exists

System Silenced (Yellow): On when an alarm, trouble or supervisory condition has been silenced but not yet cleared

System Power (Green): Off for AC failure; On when power systems are normal

Telephone

Requirements: FCC Part 15 & Part 68 approved

Jack: RJ31X (two required)

Approvals

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service. Suitable for automatic, manual, waterflow, sprinkler supervisory (DACT non-coded) signalling services
Other Approvals: UL Listed, FM Approved, City of New York, CSFM, and OSHPD (CA) OSP-0065-10

Approved Releasing Solenoids

Manufacturer	Part number	Rating	Current	Freq
Asco	T8210A107	24 VDC	3 A max	0 Hz
Asco	8210G207	24 VDC	3 A max	0 Hz

Ordering Information

IFP-2000	Intelligent Fire Alarm Control Panel
IFP-2000HV	High Voltage (240VAC) Intelligent Fire Alarm Control Panel
RPS-2000	Intelligent Fire Alarm Control Panel without built in display
RPS-2000HV	High Voltage (240VAC) Intelligent Fire Alarm control Panel without built-in display

SBUS Accessories

RA-2000	Red Remote Annunciator. Four line LCD annunciator with 40 characters per line
RA-2000GRAY	Gray Remote Annunciator Four line LCD annunciator with 40 characters per line
5815XL	Signal Line Circuit (SLC) Expander
RPS-1000	6 amp Intelligent Power Module with 6 flexputs
5496	6 amp intelligent Power Module
5824	Serial/Parallel Printer Interface Module
5880	LED I/O Module
5865-3 & 5865-4	LED Fire Annunciators
5883	Relay Interface Board

IDP Devices

See the specification sheets listed below for a complete listing of the IDP devices.

350361	Intelligent Device Protocol devices specification sheet

SD Devices

See the specification sheets listed below for a complete listing of the SD devices.

350360	SD Device Protocol devices specification sheet

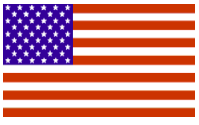
Networking Accessories

IFP-RPT-FO	Network repeater board for fiber optic
IFP-RPT-UTP	Network repeater board for twisted pair wire
IFP-RPT-UTP-KIT	Wired twisted pair network repeater card and cabinet kit.
IFP-RPT-FO-KIT	Fiber optic network repeater card and cabinet kit.

Miscellaneous Accessories

5655	Silent Knight Software Suite - 2. Provides programming, upload /download, and event reporting
RBB	Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35 AH. Dimensions: 16” W x 10” H x 6” D (40.64 W x 25.4 H x 15.24 D cm)
AB-55	Remote Battery Box Accessory Cabinet. Use for backup batteries that are 35 AH - 55AH. Dimensions: 20” W x 12” H x 7.5” D (50.8 W x 30.48 H x 19.05 D cm)
SK-SCK	Seismic Compliance Kit

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. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, please call 800-446-6444. **www.farenhyt.com**



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