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.
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, waterfront, 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

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<th>Manufacturer</th>
<th>Part number</th>
<th>Rating</th>
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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