

IFP-2100 / IFP-2100B / RFP-2100 / RFP-2100B

Scalable Analog/Addressable Fire Alarm Control System

The IFP-2100 and RFP-2100 (red), and the IFP-2100B and RFP-2100B (black) are intelligent analog/addressable Fire Alarm Control Panels (FACP) and are direct replacements for the IFP-1000(HV), IFP-2000, and RPS-2000 FACP's. The RFP-2100 functions the same as the IFP-2100 but does not come with a display. The IFP-2100/RFP-2100 panel contains one built-in signaling line circuit (SLC), which can support 159 System Sensor® IDP/SK sensors and 159 IDP/SK modules or 127 Hochiki® SD devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for IDP/SK devices to increase the overall point capacity to 2100 or model 5815XL for SD devices to increase the overall point capacity to a maximum to 2032 points per panel.

The IFP-2100 and RFP-2100 have the interconnection capability for up to 32 panels. The system has two modes of operation, multiple panels covering one larger building, or multiple independent buildings. The RFP-2100 panels can be used in a networked system where at least one IFP-2100 is in the system.

IFP-2100 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 phone line digital alarm communicator/transmitter (DACT) with IP and optional cellular technologies, form-C trouble relay, and two programmable form-C relays. The IFP-2100 and RFP-2100 have powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.



IFP-2100B



RFP-2100B

FEATURES & BENEFITS

- RFP-2100(B) can be used in a networked system where at least one IFP-2100 is in the system
- Network support for up to 32 Sites
- Built-in support for up to 159 IDP/SK detectors and 159 IDP/SK modules or 127 SD SLC devices
- Four line LCD display with 40 characters per line
- Available in a red or black cabinet
- Can be surface or flush mounted
- Four programmable function keys
- Network card allows copper network connection with a multi-mode or single-mode fiber connection option
- Built-in dual phone line, digital alarm communicator/transmitter (DACT) with IP and optional cellular technologies
- JumpStart® auto programming feature for easy programming
- Renewable license on downloading software helps inhibit unauthorized programming
- Built-in USB interface for programming
- Supports up to four SWIFT® wireless gateways. Each gateway can have up to 49 wireless devices
- Supports Class B (Style 4) and Class A (Style 6 or Style 7) configuration for SLC, and SBUS

IFP-2100 / RFP-2100 Technical Specifications

PHYSICAL

Overall Dimensions: 26.4"H x 16.4"W x 4.11"D
Shipping Weight: 33 lbs.
Color: Red or Black

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity: 0 to 93% relative humidity (non-condensing)

ELECTRICAL

IFP-2100 Primary AC: 120VAC @ 50/60Hz, 5.0A
Total Accessory Load: 9A @ 24VDC power-limited
Standby Current: 230mA
Alarm Current: 415mA
Battery Charging Capacity: 17 to 55AH
Battery Size: 18AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.
Six Conductor Wiring: Two voice bus & four SBUS

FLEXPUT CIRCUITS

Eight Flexput® circuits that can be programmed individually as:

Notification Circuits: 3A per circuit @ 24VDC, power limited
Auxiliary Power Circuits: 3A per circuit @ 24VDC, power limited.
Initiation Circuit: 100mA per circuit @ 24VDC, power-limited

AGENCY LISTINGS AND APPROVALS

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signaling; Local Protective Signaling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service

UL Listed: S2766
CSFM 7165-0559:0505
FDNY COA# 6251
FM approved

APPROVED RELEASING SOLENOIDS

Asco	T8210A107	24 VDC	3 A max	0 Hz
Asco	8210G207	24 VDC	3 A max	0 Hz

COMPATIBLE DEVICES

See the data sheets listed below for a complete listing of the IDP, SK, SWIFT or SD devices.

3350361: IDP Device Protocol data sheet
53623: SK Device Protocol data sheet
350360: SD Device Protocol data sheet
350615 & 350617: SWIFT devices data sheet

ORDERING INFORMATION

IFP-2100: Intelligent Fire Alarm Control Panel. Red Cabinet.
IFP-2100B: Intelligent Fire Alarm Control Panel. Black Cabinet.
RFP-2100: Remote Fire Alarm Panel without built in display. Red Cabinet.
RFP-2100B: Remote Fire Alarm Panel without built in display. Black Cabinet.

SBUS ACCESSORIES

RA-2000, RA-1000, RA-1000R, RA-100, RA-2000GRAY: Remote annunciators
6815: Signal Line Circuit (SLC) Expander for IDP or SK devices
5815XL: Signal Line Circuit (SLC) Expander for SD devices
RPS-1000: Power Supply
5496: NAC Expander
5824: Serial/Parallel Module
5880: LED I/O Module
5865-3 or 5865-4: LED Annunciator
5883: Relay Interface

MISCELLANEOUS ACCESSORIES

HFSS: Software Suite. Provides programming, upload/download and event reporting
RBB: Remote Battery Box Cabinet. Use for backup batteries up to 35AH. Dimensions: 16"W x 10"H x 6"D
SK-SCK: Seismic Compliance Kit
SK-NIC: Network Interface Card
SK-FML: Multi Mode Fiber Card
SK-FSL: Single Mode Fiber Card
CELL-MOD: Cellular Communicator in Plastic Enclosure
CELL-CAB-SK: Cellular Communicator in Metal Enclosure with lock and key

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