

Intelligent Fire Alarm Control Panel

IFP-300 / IFP-300B

The IFP-300 (red) and IFP-300B (black) are intelligent analog/addressable Fire Alarm Control Panels (FACP). The basic IFP-300 panel contains one built in signaling line circuit (SLC), which can support 159 IDP/SK sensors and 159 IDP/SK modules or 127 SD devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for System Sensor devices to increase the overall point capacity to a maximum of 300 points per panel, or model 5815XL for Hochiki devices to increase the overall point capacity to a maximum of 254 points per panel.

IFP-300 has 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. To network panels together use the SK-NIC network interface card. Copper wire or fiber optic cable panel connectivity can be used within the same networked system.

IFP-300 has a built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies, Form C trouble relay, and two programmable Form C relays. IFP-300 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

The IFP-300 supports a variety of devices, including RA-2000, RA-1000 or RA-100 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports),



IFP-300B

FEATURES & BENEFITS

- 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
- IFP-300 can be surface or flush mounted
- Built-in USB interface for programming
- Firmware can be upgraded in the field
- Renewable license on downloading software helps inhibit unauthorized programming
- 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), IP or optional cellular technologies
- JumpStart AutoProgramming[®] feature for easy 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.
- Built in synchronization for appliances from AMSECO, Gentex[®], System Sensor[®], and Wheelock

IFP-300 Technical Specifications

SPECIFICATIONS

Physical:

Overall Dimensions: 26.4" H x 16.4" W x 4.11" D

Weight: 45 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-300 Primary AC: 120 VAC @ 60 Hz, 3.3A Total Accessory Load: 6A @ 24 VDC power-limited

Standby Current: 190 mA

Alarm Current: 250 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 accessory cabinet.

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

Other Approvals:

UL Listing; CSFM (pending); COA (pending); OSHPD (CA) (pending), FM (pending)

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.

350361 - 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-300 - Intelligent Fire Alarm Control Panel. Red

IFP-300B - Intelligent Fire Alarm Control Panel Black

SBUS ACCESSORIES

RA-2000, RA-1000, RA-1000R, RA-100, RA-2000GRAY - Remote annunciators

6815 - Signal Line Circuit (SLC) Expander for IDP/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/-4 - LED Annunciator

5883 - Relay Interface

MISCELLANEOUS ACCESSORIES

SKSS-3 - Software Suite. Provides programming, upload/download and event reporting

RBB - Remote Battery Box Cabinet. Use for backup batteries up to 35 AH.

Dim: 16" W x 10" H x 6" D

SK-SCK - Seismic Compliance Kit

SK-NIC - Network Interface Card

SK-NIC-KIT - Network Interface Card in Cabinet

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

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.

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