

IFP-300 / IFP-300B

Intelligent Fire Alarm Control Panel

The IFP-300 (red) and IFP-300B (black) are intelligent analog/addressable fire alarm control panels (FACP) and are direct replacements for the IFP-100 FACP. The IFP-300 panel contains one built-in signaling line circuit (SLC), which can support 159 (IDP/SK) System Sensor® sensors and 159 IDP/SK modules or 127 (SD) Hochiki® devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for SK/IDP devices to increase the overall point capacity to a maximum of 300 points per panel, or model 5815XL for SD devices to increase the overall point capacity to a maximum of 254 points per panel.

The 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. The SK-NIC Network Interface Card is used to network panels together. 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) with IP and optional cellular technologies, form-C trouble relay, and two programmable form-C relays. The 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 annunciators, 5824 serial/parallel printer interface modules (for printing system reports), RPS-1000 power modules, and IDP, SK, or SD devices.



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
- Can be surface or flush mounted
- Built-in USB interface for convenient and quick programming
- Firmware can be upgraded in the field
- 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
- 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 NAC synchronization for devices from AMSECO®, Gentex®, System Sensor®, and Wheelock®

IFP-300 Technical 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: 120VAC @ 60 Hz, 3.3A Total Accessory Load: 6A @ 24VDC power-limited

Standby Current: 190mA

Alarm Current: 250mA

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.

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: 7165-0559:0504

FDNY: COA#6245

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.

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 Cabinet.

IFP-300B: Intelligent Fire Alarm Control Panel 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 35 AH. Dimensions: 16" W x 10" H x 6" D

SK-SCK: Seismic Compliance Kit

SK-NIC: Network Interface Card

SK-NIC-KIT: Installation Accessory Kit

SK-FML: Fiber-Optic Multi Mode, transmitter and receiver

SK-FSL: Fiber-Optic Single Mode

CELL-MOD: Cellular Communicator in Plastic Enclosure

CELL-CAB-SK: Cellular Communicator in Metal Enclosure with lock and key

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