# 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 Cabniet.
**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

**Honeywell**