Farenhyt

by

Intelligent Fire A

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Intelligent Fire Alarm Control Panel

IFP-50

IFP-50 is an intelligent analog/addressable fire control panel (FACP). IFP-50 has a single line circuit (SLC) loop for connecting addressable detectors and modules and has two notification appliance circuits that can be programmed for notification outputs or auxiliary power. IFP-50 also has a built-in dual line digital fire communicator, Form C trouble relay, and two programmable Form C relays. The firmware has powerful features such as detector sensitivity, day/night thresholds, drift compensation and pre-trouble maintenance alert.

IFP-50 supports a variety of other devices that can be added to the system such as RA-100 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), and 5496 intelligent power module, and SD or IDP devices.

Features

- Built-in support for up to 50 SD devices or 50 IDP detectors and 50 IDP modules
- Uses standard wire—no shielded or twisted pair required
- Built-in digital communicator for remote reporting of system activity and system programming
- Central station reporting by point or by zone
- Jumpstart® auto-programming
- Supports Class B (Style 4) and Class A (Style 6 or Style 7) configuration for SLC
- Distributed, intelligent power
- Built-in synchronization for appliances from AMSECO, Gentex®, Faraday, System Sensor®, and Wheelock®
- Sensor sensitivity settings and day/night sensitivity setting and automatic drift compensation
- Notification circuits can be configured as 1 Class A (Style Z), 2 Class B (Style Y), or auxiliary power for resettable, constant, or door holder power
- Built-in annunciator with a backlit 80-character LCD display
- RS-485 bus provides communication to system accessories
- Built-in RS-232 interface for programming via PC
- Built-in Form C trouble relay rated at 2.5 amps at 24 VDC
- Two built-in Form C programmable relays rated at 2.5 amps at 24 VDC
- SLC device locator can be used to locate a single or multiple devices on a SLC loop
- System automatically performs detector sensitivity test
- 13 preset notification cadence patterns (including ANSI 3.41) and four user programmable patterns
- Upload or download programming, event history, or detector status onsite or from a remote location using a PC and 5650/5651 Silent Knight Software Suite (SKSS)
- Improvements in SKSS deliver five times faster upload/downloads
- Non volatile event history stores up to 1000 events
- 125 software zones and 125 output groups

Agency Listings

Date: 02/21/14

MEA

429-92-E Vol. XVI

IFP-50

- 2.5 amp power supply and maximum charging capacity of 35 amp hours (An additional cabinet enclosure is required for batteries in excess of 7 amp hours).
- Programmable date setting for Daylight Saving Time

Installation

The IFP-50 is a surface mount FACP.

Compatibility

The IFP-50 SLC supports multiple device types of the *same* protocol:

- SD
- IDP

You cannot mix SD and IDP devices on a FACP. However, any combination of addressable devices of the same protocol can be used on the IFP-50.

Specifications

Physical

Dimensions: 12.75”W x 15.2”H x 3.4”D
(36.8 W x 62.9 H x 9.8 D cm)

Weight: 11.5 lbs. (5.2 kg)

Color: Red

P/N 350328 Rev H

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Environmental

Operating Temperature: 32ºF – 120ºF (0ºC – 49ºC)

Humidity: 10% – 93% non-condensing

Electrical

Primary AC: 120 VRMS @ 50/60 Hz, 2.7A

Total Accessory Load: 2.5A @ 27.4 VDC power-limited

Standby Current: 200 mA

Alarm Current: 365 mA

Battery Charging Capacity: 7 to 35 AH

Battery Size: 7 AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

Notification Appliance Circuits

Two circuits that can be programmed individually as:
Notification Circuits: 2.5A per circuit @ 27.4 VDC, power-limited
Auxiliary Power Circuits: 2.5A per circuit @ 27.4 VDC, power-limited

Indicator Lights

Alarm (Red): Flashes when in alarm; solid when alarm silenced

Supervisory (Yellow): Flashes when a supervisory condition exists; solid when supervisory silenced

Trouble (Yellow): Flashes when a trouble condition exists; solid when trouble silenced

Silenced (Yellow): On when an alarm, trouble or supervisory condition has been silenced but not yet cleared

Power (Green): Flashes for AC failure; solid 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, waterflow, sprinkler supervisory (DACT non-coded) signalling services.

Other Approvals: UL Listing; CSFM 170-0559: 144;
MEA 429-92-E Vol XVI

Approved Releasing Solenoid

Manufacturer	Part Number	Rating
Asco	T8210A107	24 VDC, 2.5A
Asco	8210G207	24 VDC, 2.5A

Ordering Information

IFP-50	Intelligent Fire Alarn

SBUS Accessories

RA-100	Remote Annunciato and appearance to
RA-1000	Remote Annunciato annunciator with 20 Gray.
RA-1000R	Remote Annunciator. Four line LCD annunciator with 20 characters per line. Red.
5496	Intelligent Power Module. 6 amp power module that provides four additional power limited notification appliance circuits.
5824	Serial/Parallel Printer Interface Module. Provides one parallel and one RS-232 serial port for connecting a printer to IFP-50.
5880	LED I/O Module. Provides 40 LED outputs, eight normally open dry contacts inputs and one piezo output.
5865-3 & 5865-4	LED Fire Annunciators. Provides 30 programmable LED outputs and a piezo sounder.
5883	Relay Interface Board. Provides 10 general purpose Form C relays. Used with 5880.

SD and IDP Devices

See the specification sheets listed below for a complete listing of the SD and IDP devices.

350360	SD Devices data sheet
350361	Intelligent Device Protocol (IDP) Devices data sheet

Miscellaneous Accessories

5650/5651	Silent Knight Software Suite. Provides programming, upload/download, and event reporting. Order 5650 for PC parallel port compatibility or 5651 for PC USB port compatibility.
5670	Silent Knight Software Suite. Provides facility monitoring.
RBB	Remote Battery Box Accessory Cabinet. Use if backup batteries are too large to fit into FACP cabinet. Dimensions: 16” W x 10” H x 6” D (406 mm W x 254 mm H x 152 mm D)

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SILENT KNIGHT by Honeywell

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