

Farenhyt

IFP-50 Intelligent Fire Panel

The IFP-50 is an intelligent analog/addressable fire control panel. The IFP-50 system has a single SLC loop, which can support 50 SLC devices. The IFP-50 has two Notification Appliance Circuits that can be programmed for notification outputs, or auxiliary power. The control panel 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.

The IFP-50 supports a variety of other devices that can be added to the system such as the RA-100 Remote Annunciator, the Model 5824 Serial/Parallel Interface (for printing system reports), and the 5496 Intelligent Power Module.

Features

- Built-in support for 50 analog addressable points.
- 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 Gentex®, Faraday, System Sensor®, and Wheelock®
- Sensor sensitivity settings and Day/Night sensitivity setting.
- Automatic drift compensation.
- Notification circuits can be configured as 1 Class A (Style Z) or 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.
- Individual addressable devices can be tested.
- 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.
- System can be uploaded or downloaded on site or from a remote location with a PC.
- Non volatile event history stores up to 1000 events.
- 125 Software zones and 125 output groups.
- 6 amp power supply and maximum charging capacity of 33 amp hours. (An additional cabinet enclosure is required for batteries in excess of 17 amp hours.)
- SLC Supports multiple Device types. (See compatible addressable devices.) Any combination of addressable devices can be used on a single SLC loop (up to a 50 devices).

50 Point Analog/Addressable
Fire Alarm Control System



- Up or Down load programming, event history, or detector status via remote or direct connection.
- Integrated dead front panel protects operator from exposure to electrical components.
- Programmable to automatically display initial event first or display tally of system events.
- Acknowledge function allows operator to keep track of event status.

Approvals

UL Listed	File No. S2766
NFPA	-Central Station -DACT -Local Protective Signalling System -Water Deluge Releasing Service

CSFM Listed

Specifications

Dimensions:

12-3/4"W x 15-1/8"H x 3-3/8"D
(32.39 x 38.42 x 8.57 cm)

Weight: 11.5 lbs. (5.2 kg)

Color: Red



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Electrical Specifications

Primary AC: 120 VRMS @
50 / 60 hz, 1.5A

Total Accessory Load: 2.5 A @ 24 VDC
2.5 Amps @ 24 VDC of power-limited notification power

Standby Current: 160 mA

Alarm Current: 330 mA

Battery Charging Capacity: Up to 33 Ah

Telephone Requirements:
FCC Part 15 and Part 68 approved

Type of Jack: RJ31X (two required)

Accessory Product Information

RA-100/RA-1000 Remote Annunciators—80 character backlit LCD display with a built-in keypad. The system can be fully programmed and operated from any remote annunciator. The IFP-50 can support up to 8 RA-100 remote annunciators per system.

5824 Serial Parallel Module—The 5824 is a serial/parallel interface that is used to connect a serial or parallel computer printer to the IFP-50 control panel via the RS-485 system bus. Up to two 5824 modules can be used with a system.

5880 LED/Input-Output Module—The 5880 provides 40 programmable LED outputs and eight supervised dry contact inputs. Up to eight 5880 modules can be used on the IFP-50's SBUS.

5865-3 and 5865-4 LED Fire Annunciators—The 5865 series annunciators provide a visual indication of the current state of the zone inputs on the control panel. Up to 8 Model 5865s can be used on the IFP-50's SBUS. Each 5865 has 30 programmable LED outputs—15 red and 15 yellow. The 5865s come with a piezo sounder which gives an audible indication during alarms, troubles and supervisory troubles.

5883—The 5883 Relay Interface Board provides 10 general purpose Form C relays that can be used to control any device that requires a dry contact closure.

SD505-APS—Analog addressable photoelectric smoke detector.

SD505-AHS—Analog addressable heat sensor.

SD505-6AB—Six inch base designed for use with detector head models SD505-APS, SD505-AIS, and SD505-AHS.

SD505-6IB—6 inch isolator base. The SD505-6IB isolates a short circuit wiring fault on a Style 7 (Class A) SLC loop.

SD500-PS/PSDA—The SD500-PS/PSDA are a single action or dual action addressable fire pull stations featuring rugged metal construction with visible LED.

SD505-ADHR/DTS—The SD505-ADHR analog addressable duct smoke detector with built-in relay module detects products of combustion present in air moving through an HVAC system. The SD505-ADHR is compatible with the SD505-DTS, which provides remote annunciation and testing capabilities for the SD505-ADHR.

SD505-ADH—Analog addressable duct housing. Unit ships with an attached detector base which is compatible with the SD505-AIS or SD505-APS smoke detectors. (Detector and sampling tubes ordered separately.)

SD500-AIM—Addressable input module used to connect pull stations, water flow switches, and other applications requiring dry contact alarm initiation devices. The AIM mounts into a 4" square electrical box.

SD500-MIM—Mini Addressable input module used to connect pull stations, water flow switches, and other applications requiring dry contact alarm initiation devices. The MIM mounts into a single gang electrical box.

SD500-LIM—Addressable Line isolator module that isolates a short circuit wiring fault on a Style 7 (Class A) SLC loop.

SD500-ARM—Addressable Relay Module allows you to control a normally open or closed device such as; elevator recall, door closing, fan operations, and auxiliary notification. Relay can be mapped to any zone condition. The ARM has two Form C contacts and mounts into a 4" square electrical box.

5496 Intelligent Power Module—The Model 5496 is a 6 amp notification power expander that provides four additional power-limited notification appliance circuit outputs.

5650 Down load Software—User-friendly software for remote programming of the IFP-50. The software is compatible with Window™ 95, Windows™ 98, and Windows™ NT.

5670 IntelliView Facility Management Software—End-user software allows viewing of detector status and event history via modem or direct connect.



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