



IFP-1000
Analog/Addressable
Fire Alarm Control System
Sales Guide

Product Overview

The IFP-1000 is an intelligent analog/addressable fire alarm control panel designed for flexibility and reliability. With support for System Sensor® Intelligent Device Protocol (IDP) and Hochiki protocol detectors, modules, and accessory devices, the IFP-1000 is configurable for a variety of installations.

The IFP-1000 has one built-in signaling line circuit (SLC) to which all detectors and modules are connected. Add up to seven additional SLCs with the 5815XL signaling line circuit expanders. Six onboard Flexput™ circuits are individually configurable for auxiliary power, notification outputs, or conventional smoke detectors. The IFP-1000 also has a built-in dual-line digital fire communicator, a Form C trouble relay, and two programmable Form C general purpose relays.

Selling Strategies

Target Customers

- Medium to large size customers
- Customers involved in:
 - New construction
 - Retrofitting existing construction - that is, replacing older or outmoded fire alarm systems in existing buildings
- Customers in vertical markets such as the healthcare, education, manufacturing, financial and other similar facilities

Typical Customer Profiles

- Customers with large campus operations
- Customers requiring a cost effective solution to retrofit their facility with a new fire alarm system
- Customers who require effective monitoring and maintenance tools for ongoing customer support

Qualifying Questions

1. *Are you considering a conventional fire system for your new installation?*

The advanced capabilities of the IFP-1000 will increase the effectiveness of your alarm system. With pinpoint addressable capabilities and advanced maintenance capabilities, the IFP-1000 FACP can actually reduce the total installed cost and reduce the long-term operating expenses associated with the system. Additionally, it is expandable for future upgrades.

2. *Are you considering replacing an older conventional or addressable system?*

The IFP-1000 does not require special wire or installation strategies and can often be installed using existing fire system wiring within the building. This flexibility can be a big savings when installing a retrofit fire system.

3. *Do you want the ability to expand your fire alarm system in a cost-effective way?*

The IFP-1000 is ideal for growing businesses. If your facility grows, and your SLC is at maximum capacity, add up to seven 5815XLs. Add the RPS-1000 intelligent power supply to provide additional power, connectivity for additional SLCs, or additional accessories.

Selling Points

- **Analog addressable architecture enhances reliability, pinpoints problem area, and reduces false alarms**

With features like individual point identification, drift compensation, and maintenance alert this system is designed to help reduce the number of false alarms and service calls that can be so frustrating and costly.

- **Designed for expandability and flexibility**

Comes with a full range of detectors, modules, and power supplies to meet installation needs. SLC expanders give you the ability to accommodate a growing business while avoiding the hassle and expense of getting a new system.

- **Critical system programming and event information can be stored and updated remotely by the installation company**

The 5650/5651 Silent Knight Software Suite (SKSS) allows your installation company to connect to the IFP-1000 from their offices or at your location, which means they can efficiently maintain and troubleshoot the fire system.

- **Selectable detector protocol**

The IFP-1000 has the ability to use either System Sensor IDP or Hochiki protocol detectors and modules, making the IFP-1000 the most flexible system on the market today.

- **Easy to install**

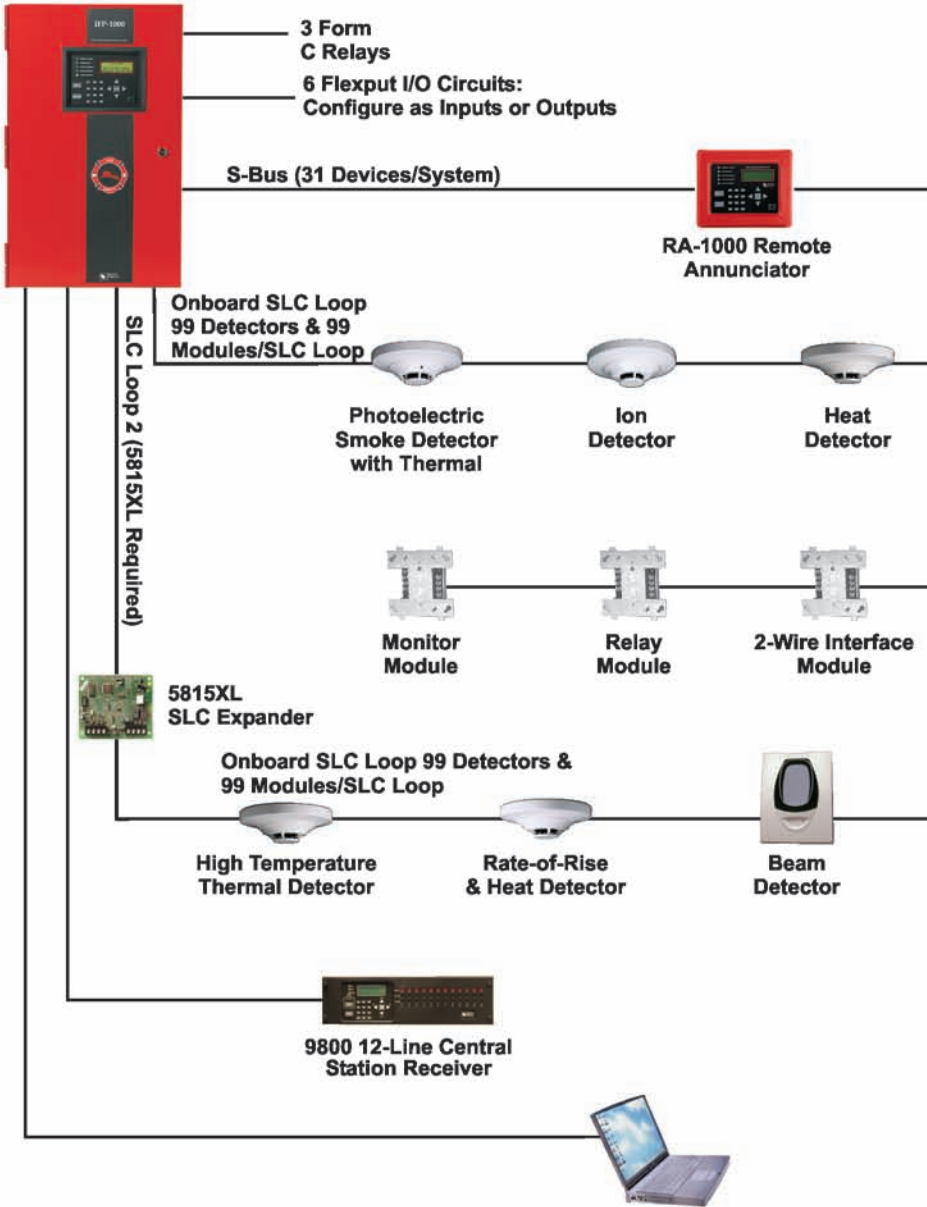
The JumpStart® feature scans all SLC loops and SBUS circuits, determines device type, adds the device to FACP memory, and automatically selects some system options based on device type. This saves the installer from having to program options for each device. When it comes to wiring the system, the Silent Knight SLC loop does not require special wire such as shielded wire or twisted pair, making retrofits a breeze. Because detectors and modules each have a unique address, troubleshooting is a snap.

Features & Benefits

<p>Supports two communications protocols: System Sensor Intelligent Device Protocol or Hochiki</p>	<p>You can use either System Sensor IDP or Hochiki devices on an IFP-1000 system. This gives you the flexibility to select the detectors and modules that best meet the installation requirements.</p>
<p>Built-in support for 99 IDP detectors and 99 IDP modules, expandable to 792 IDP detectors and 792 IDP modules or 127 Hochiki devices, expandable to 1016</p>	<p>Support the minimum or expand to the maximum number of devices or add devices in the future.</p>
<p>Uses standard wire. Shielded or twisted pair is not required</p>	<p>Using standard wire for new installations can reduce installation time and costs over shielded or twisted pair. For retrofit installations, existing wire runs can be used, eliminating the expense of running new wire.</p>
<p>Upload and download programming information, event history, and detector status onsite or from a remote location using SKSS software</p>	<p>To easily service and maintain the IFP-1000 system, your facility manager can view and save event history to identify any system problems using 5670 SKSS. Your installer can program or view event history and detector status using 5650/5651 SKSS.</p>
<p>Configure Flexput I/O circuits as auxiliary, notification outputs, or conventional smoke detector inputs</p>	<p>Patented Flexput circuits let you retrofit an existing conventional installation, without additional hardware, so existing detectors do not have to be replaced. As well, expand system functionality by adding new devices that fully are compatible with the IFP system.</p>
<p>JumpStart autoprogramming adds all devices connected to the system automatically.</p>	<p>Run when installation is complete to quickly add all detectors and modules to the system. Saves installation time.</p>
<p>Nonvolatile event history stores up to 1,000 events</p>	<p>Your installer can view event history to assist in troubleshooting and system maintenance.</p>
<p>Automatic drift compensation, detector sensitivity settings, and day/night sensitivity for smoke and heat detectors</p>	<p>Ensures each detector maintains a consistent sensitivity level for its environment and time of day, helping to avoid false alarms due to dirty detectors and changing environmental conditions.</p>

Figure 1: IFP-1000 Using System Sensor IDP Devices

**IFP-1000 Addressable
Fire Alarm Control Panel**



**5650/5651 SKSS Upload/Download Software or
5670 SKSS Facility Management Software**

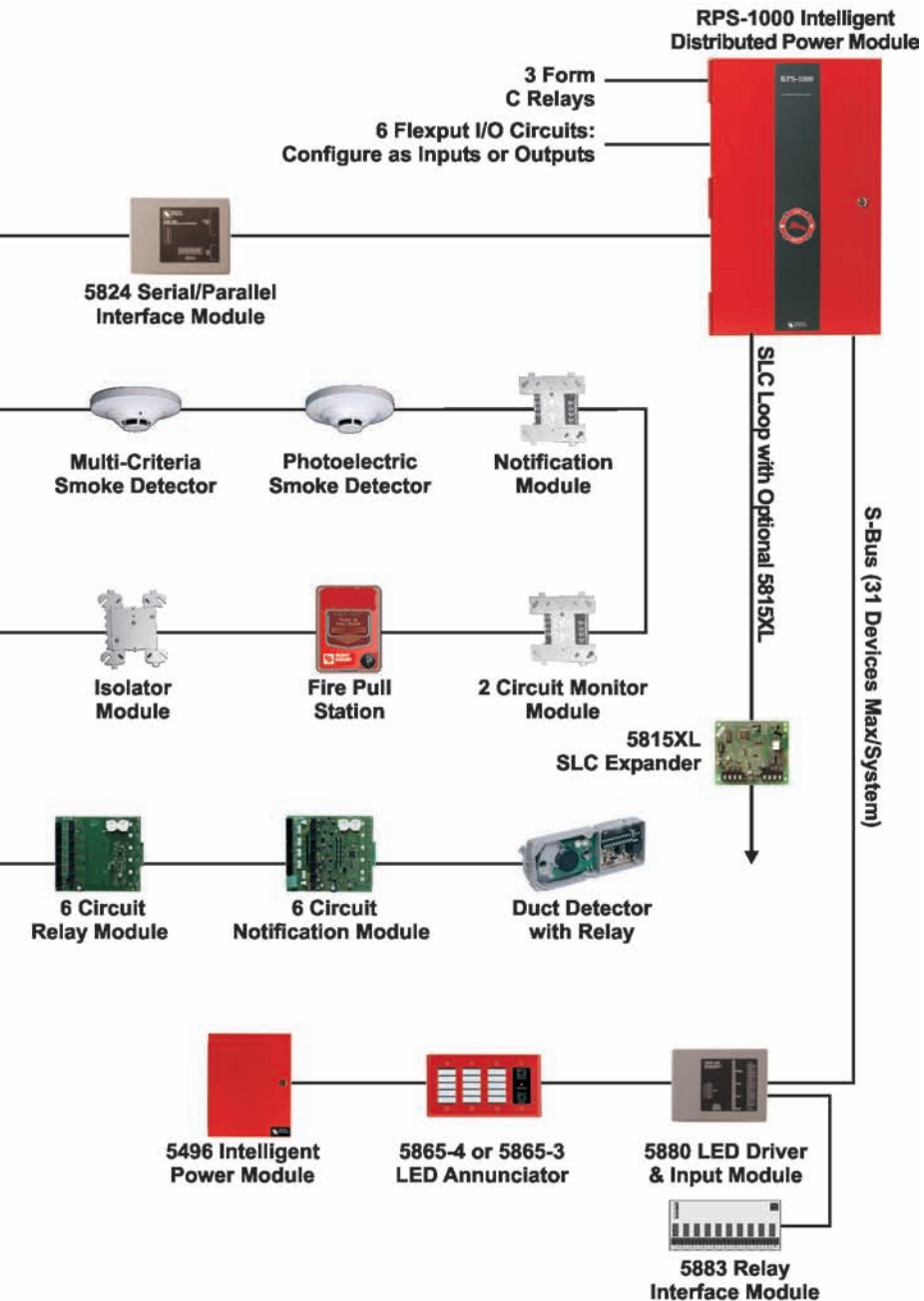
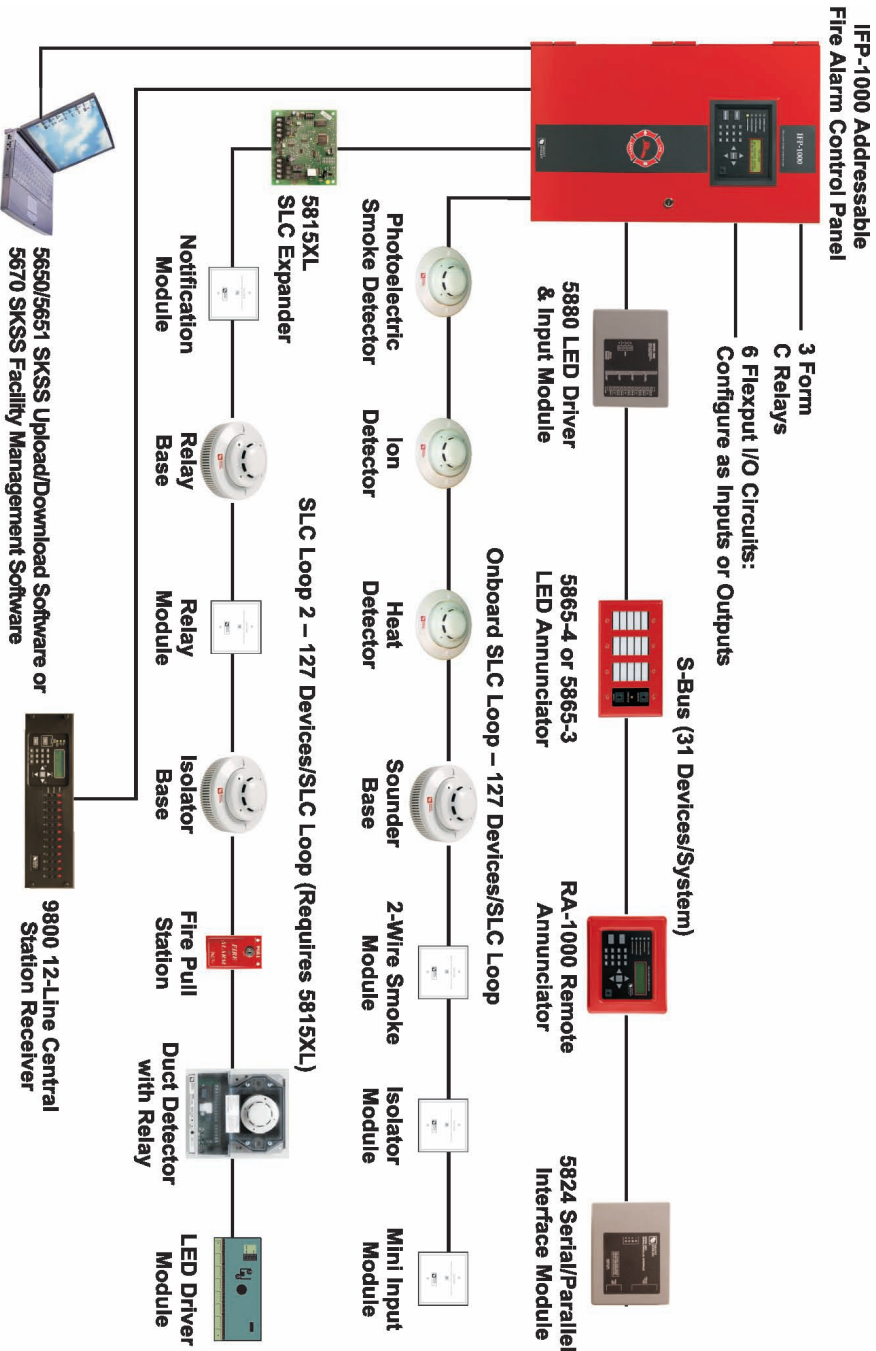


Figure 2: IFP-1000 Using Hochiki Protocol Devices



Ordering Information

IFP-1000 Fire Alarm Control Panel Accessories

The range of SLC devices, SBUS accessories, and miscellaneous accessories compatible with the IFP-1000 are described briefly in this section.

System Sensor IDP SLC Detectors & Modules

System Sensor IDP detectors and modules connect to the signaling line circuit (SLC) loop on the FACP or RPS-1000.

IDP-Photo—Photoelectric smoke detector.

IDP-Photo-T—Photoelectric smoke detector with thermal.

IDP-Ion—Ionization smoke detector.

IDP-Heat—135° fixed temperature thermal detector.

IDP-Heat-HT—Fixed high temperature detector adjustable from 135°–190°F.

IDP-Heat-ROR—Fixed temperature and rate-of-rise thermal detector.

IDP-Beam—Beam smoke detector.

IDP-Beam & IDP-Beam-T—Beam smoke detector with sensitivity test feature.

IDP-Pduct—Photoelectric air duct smoke detector.

IDP-Pduct-R—Photoelectric air duct smoke detector with relay.

IDP-Acclimate—Thermal and photoelectric detector.

IDP-Monitor—Monitor module provides interface to contact devices.

IDP-Minimon—Compact monitor module that provides an interface to contact devices.

IDP-Monitor-2—Two circuit monitor module that provides an interface to contact devices.

IDP-Monitor-10—10 circuit monitor module that provides an interface to contact devices.

IDP-Relay—Two Form C contact relay module.

IDP-Relay-6—Six Form C contact relay module.

IDP-Control—Notification module.

IDP-Control-6—Six circuit notification module.

IDP-Zone—Two-wire interface module.

IDP-Zone-6—Six circuit two-wire interface module.

IDP-Iso—Isolator module

IDP-Pull-SA—Single action pull station.

IDP-Pull-DA—Dual action pull station.

IDP-6AB—6" mounting base.

SSB501—4" mounting base.

SSB501BHT—6" mounting base with built-in sounder.

SSB224RB—6" mounting base with built-in Form C relay.

SSB224BI—6" mounting base with built-in isolator.

Ordering Information (cont.)

Hochiki SLC Detectors & Modules

Hochiki detectors and modules connect to the signaling line circuit (SLC) loop on the FACP or RPS-1000. All these devices are SLC devices.

SD505-APS—Photoelectric smoke detector.

SD505-AHS—Fixed temperature heat detector.

SD505-AIS—Ionization smoke detector.

SD505-ADH—Duct detector housing for use with SD505-APS or SD505-AIS to detect smoke and combustion products in HVAC ducts.

SD505-ADHR—Duct detector house for use with SD505-APS or SD505-AIS to detect smoke and combustion products in HVAC ducts.

SD500-AIM—Dry contact input module provides an interface to contact devices.

SD500-MIM—A compact input monitor module that provides an interface to contact devices.

SD500-ARM—Relay module with two Form C relay contacts.

SD500-ANM—Notification module.

SD500-SDM—Two-wire interface module.

SD500-LIM—Line isolator module.

SD500-LED—LED driver module for up to 80 LEDs.

SD500-PS—Single action pull station.

SD500-PSDA—Dual action pull station.

SD505-6AB—6" mounting base for use with SD505-APS, SD505-AHS, SD505-AIS.

SD505-4AB—4" mounting base for use with SD505-APS, SD505-AHS, SD505-AIS.

SD505-6SB—6" mounting base with built-in sounder.

SD505-6RB—6" mounting base with one built-in Form C relay contact.

SD505-6IB—6" mount base with built-in isolator for use with SD505-APS, SD505-AHS, and SD505-AIS

SD505-DTS—Remote test switch for use with the SD505-ADHR.

Ordering Information (cont.)

SBUS Accessories

SBUS accessories connect to the IFP-1000 SBUS on the FACP or an intelligent power module.

RA-1000—Remote annunciator with four-line, 20 character per line LCD display.

RA-100/R—Remote annunciator similar in operation and appearance to the IFP-1000 built-in annunciator. Available in gray or red.

5815XL—Signaling line circuit expander used to add another SLC loop to the system.

RPS-1000—Six amp intelligent power supply that adds six Flexput I/O circuits and two Form C relays to the system.

5496—Six amp intelligent power supply that provides four notification appliance circuit outputs.

5824—A serial/parallel interface module used to connect a printer to the system.

5880—LED I/O module provides 40 programmable LED outputs and eight supervised dry contact inputs.

5865-3 & 5865-4—LED fire annunciators provide a visual indication of the current state of system zone inputs.

5883—relay interface board provides 10 general purpose Form C relays used to control any device that requires a dry contact closure.

Miscellaneous Accessories

A variety of accessories are available to support the FACP operations, troubleshooting, and maintenance.

5650/5651—Silent Knight Software Suite used for programming and viewing events. Order the 5650 for PC parallel port compatibility or the 5651 for PC USB compatibility.

5670—Silent Knight Software Suite used for facility monitoring.

Plex-1—Door accessory that is a dead front cabinet door with clear window to limit access to panel to satisfy those jurisdictions where required.

RBB—Remote back up battery box accessory cabinet that is used if backup batteries are too large to fit into FACP cabinet.



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