# Farenhyt

## IDP-Heat, IDP-Heat-HT, & IDP-Heat-ROR

The IDP-Heat, IDP-Heat-HT, and IDP-Heat-ROR are plug in thermal detectors, with integral communication, that provide features that surpass conventional detectors. These thermal detectors are for use with Silent Knight IFP-series fire alarm control panels (FACPs).

Detector sensitivity can be programmed from the FACP software. Sensitivity is continuously monitored and reported to the FACP. Point ID capability allows each detector's address to be set with rotary address switches, providing exact detector locations for selective maintenance when chamber contamination reaches unacceptable levels.

IDP-Heat is a fixed temperature thermal detector that uses a thermistor sensing circuit to produce 135ºF (57ºC) fixed thermal detection.

IDP-Heat-HT is a variable high temperature detector that provides high temperature detection at 135ºF – 190ºF (57ºC – 88ºC).

IDP-Heat-ROR is a fixed temperature and rate-of-rise thermal detector that uses a thermistor sensing circuit to produce 135ºF (57ºC) thermal protection.

### Features

- Sleek, low-profile design
- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Innovative thermistor sensing circuit
- Superior EMI resistance for reliability
- Variety of mounting options to meet any application
- Dual LED indicators for 360º visibility
- Detector transmits signal to indicate maintenance is required
- Plug-in mounting provides ease of installation
- Optional remote LED annunciator (PN SSRA400Z; System Sensor® PN RA400Z)
- Tamper-proof feature available on mounting bases
- Rotary address switches for fast installation
- UL Listed

### Installation

The IDP thermal detectors plug into a compatible IDP-series detector base.

**MEA**

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IDP-Heat Installed in the IDP-6AB Mounting Base
(Base Not Included)

### Compatibility

The IDP-Heat, IDP-Heat-HT, and IDP-Heat-ROR are compatible with the following IDP-series detector bases:

- IDP-6AB        6" Mounting Base
- SSB501         4" Mounting Base*
- SSB224BI       6" Isolator Base*
- SSB224RB       6" Relay Base*
- SSB501BHT-2  6" Temporal Sounder Base*

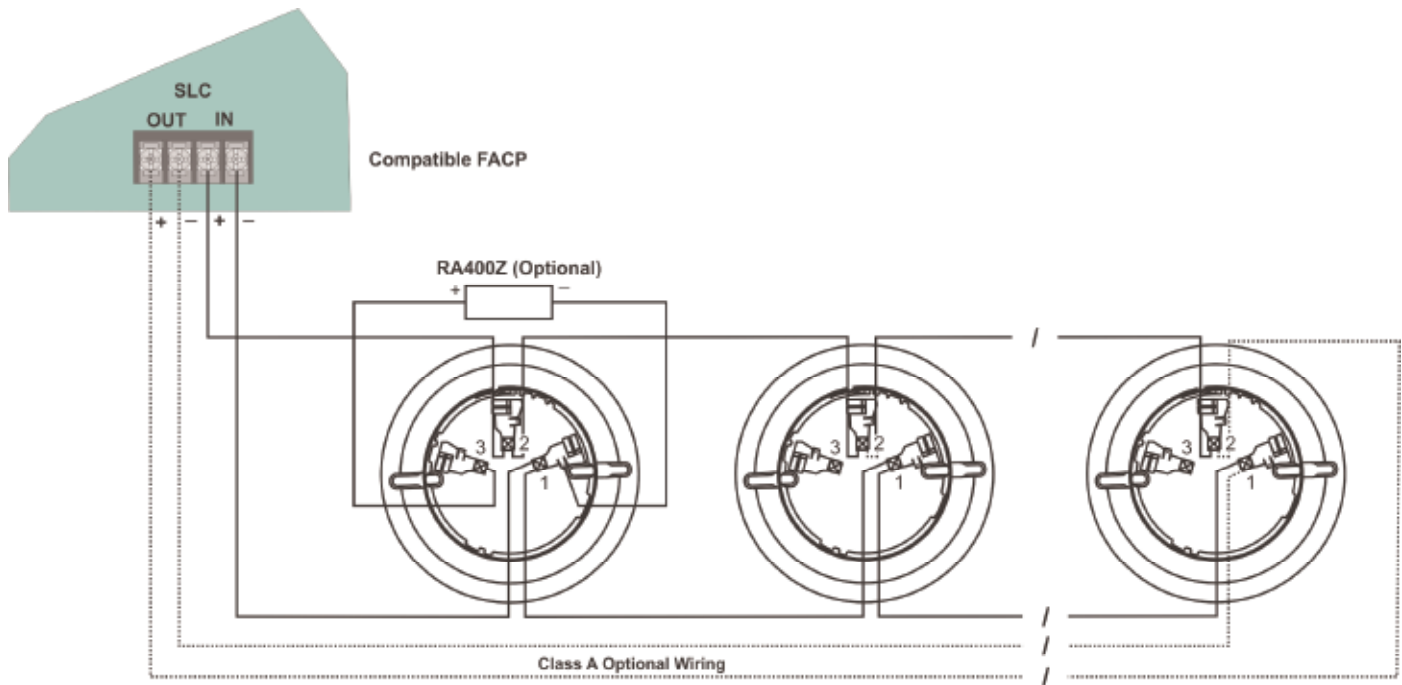The IDP-Heat, IDP-Heat-HT, and IDP-Heat-ROR are compatible with the following FACPs:

- IFP-2000/RPS-2000 Intelligent Fire Panel
- IFP-1000 Intelligent Fire Panel
- IFP-100 Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

\* For ordering purposes, an SS has been added to the System Sensor part numbers. Example–System Sensor PN for SSB501 is B501.

Wiring IDP-Series Detector Mounting Bases

## Specifications*

### Physical
Height: 2.0" (5.0 cm)

Diameter: 4.1" (10.4 cm)

Shipping Weight: 4.8 oz (136 g)

### Electrical
Operating Voltage: 15 – 32 VDC

Standby Current
  IDP-Heat:
  200 µA @ 24 VDC (no communication; LED off)
  300 µA @ 24 VDC (one communication every 5 sec with LED enabled)

  IDP-Heat-HT & IDP-Heat-ROR:
  150 µA @ 24 VDC (no communication; LED off)
  200 µA @ 24 VDC (one communication every 5 sec with LED enabled)

Alarm Current: 6.5 mA @ 24 VDC max (with LED on)

### Environmental
Operating Temperature
  IDP-Heat & IDP-Heat-ROR: -4º – 100ºF (20ºC – 38ºC)
  IDP-Heat-HT: -4º – 150ºF (20ºC – 66ºC)

Humidity: 10% – 93% non-condensing

### Thermal Ratings
IDP-Heat: Fixed temperature setpoint 135ºF (57ºC)
IDP-Heat-HT: High temperature heat 135ºF – 190ºF
(57ºC – 88ºC)
IDP-Heat-ROR: Rate-of-rise detection 15ºF/min (9ºC/min)

## Ordering Information

| | |
|---|---|
| IDP-Heat | Fixed Temperature Thermal Detector |
| IDP-Heat-HT | Fixed High Temperature Thermal Detector |
| IDP-Heat-ROR | Fixed Temperature and Rate-of-Rise Thermal Detector |

## Accessories†

| | |
|---|---|
| SSRA400Z | Remote LED Annunciator. |
| SSRMK400 | Recessed Mounting Kit. Provides low profile for use with B501. |
| SSXR2B | Detector Removal Tool. A removal and replacement tool for IDP plug-in detectors. Includes the T55-127-000. |
| SSM02-04-00 | Replacement Test Magnet. |
| SSM02-09-00 | Test Magnet with Telescoping Handle. |
| SSXP-4 | Extension Pole for XR2B. Extends from 5 – 15 ft. |
| SST55-127-000 | Detector Removal Head. |
| SSBCK-200B | Black Detector Kit. For IDP-series detectors. |

\* Unless otherwise noted, specifications apply to all IDP thermal detectors.

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**SILENT KNIGHT** by Honeywell

**Made in the U.S.A.**