Intelligent Thermal and Rate-of-Rise Thermal Detectors

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 (System Sensor® PN RA100Z)
• 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.

Compatibility
The IDP-Heat, IDP-Heat-HT, and IDP-Heat-ROR are compatible with the following IDP-series detector 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
- SLC Standby and Alarm Current Draw: 300 µA

**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**

- RA100Z Remote LED Annunciator
- M02-04-00 Test Magnet with Telescoping Handle
- XP-4 Extension Pole for XR2B. Extends from 5 – 15 ft
- T55-127-000 Detector Removal Head
- BCK-200B Black Detector Kit. For IDP-series detectors

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

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-448-6444. www.farenhyt.com