Honeywell
THE POWER OF CONNECTED

Farenhyt™ Series

Farenhyt IDP-HEAT-W Series

Intelligent Thermal (Heat) Detector

Honeywell IDP-HEAT-W Series intelligent thermal detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and advanced thermal technologies make the IDP-HEAT-W Series ideal for both system operation and building design.

The point ID address, set using rotary decimal switches, provide specific detector locations. The series includes a 135°F/57°C fixed temperature, rate-of-rise and a 190°F/88°C fixed high-temperature detectors. These thermal detectors provide effective, intelligent property protection in a variety of applications.



IDP-HEAT-W In B300-6 base

FEATURES & BENEFITS

- Sleek and stylish contemporary design
- Advanced thermal technology for fast response
- Fixed temperature model (SK-HEAT-W) factory preset to 135°F (57°C)
- Rate-of-rise model (IDP-HEAT-W-ROR), 15°F (8.3°C) per minute
- High temperature model (IDP-HEAT-W-HT) factory preset to 190°F (88°C)
- Addressable by device
- Two-wire SLC connection
- Visible LEDs “blink” every time the unit is addressed
- Built-in tamper-resistant feature
- 360°-field viewing angle of the visual alarm indicators (two bi-color LEDs). LEDs blink green in Normal condition and turn on steady red in Alarm.
- Integral communications and built-in device-type identification
- Remote test feature from the panel
- Built-in functional test switch activated by external magnet
- Walk test with address display (an address of 121 will blink the detector LED 12-(pause)-1)
- Low standby current
- Designed for directsurface or electrical box mounting
- Sealed against back pressure
- Plugs into separate base for ease of installation and maintenance
- SEMS screws for wiring of the separate base
- Optional remote, single- gang LED accessory

APPLICATIONS

Use thermal detectors for protection of property. For further information, refer to manual I56-6541, Applications Manual for System Smoke Detectors, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications.

INSTALLATION

The IDP-HEAT-W Series plug-in detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

NOTE:

• Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

• When using relay or sounder bases, consult the installation sheet for device limitations between isolator modules and isolator bases.

ORDERING INFORMATION

Note: Detectors must be mounted to one of the Intelligent Bases listed below.

IDP-HEAT-W: White, low-profile intelligent 135°F fixed thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-IV: Ivory, low-profile intelligent 135°F fixed thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-ROR-W: White, low-profile intelligent rateof- rise thermal sensor. Must be mounted to one of the bases listed below.

IDP-HEAT-ROR-IV: Same as IDP-HEAT-ROR-W, but in Ivory.

IDP-HEAT-HT-W: White, low-profile intelligent 190°F fixed thermal sensor. Must be mounted to one of the bases listed below

IDP-HEAT-HT-IV: Ivory, low-profile intelligent 190°F thermal sensor. Must be mounted to one of the bases listed below.

INTELLIGENT BASES

B300-6: White, standard flanged low-profile mounting base.

B300-6-BP: Bulk pack of B300-6, package contains 10.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B501-WHITE: White, standard European flangeless mounting base. UL listed.

B501-BL: Black, standard European flangeless mounting base. UL listed.

B501-IV: Ivory, standard European flangeless mounting base. UL listed.

B200S-WH: White, Intelligent, programmable sounder base.

B200S-IV: Ivory, Intelligent, programmable sounder base.

B200SR-WH: White, Intelligent sounder base for retrofit applications.

B200SR-IV: Ivory, Intelligent sounder base for retrofit applications.

B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base.

B200S-LF-IV: Ivory, Low Frequency Intelligent, programmable sounder base.

B200SR-LF-WH: White, Low Frequency Intelligent sounder base for retrofit applications.

B200SR-LF-IV: Ivory, Low Frequency Intelligent sounder base for retrofit applications.

B224RB-WH: White, plug-in System Sensor relay base.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH: White, plug-in System Sensor isolator detector base.

B224BI-IV: Ivory, plug-in System Sensor isolator detector base.

ACCESSORIES

TR300: White, replacement flange for B210LP and B300-6 bases.

TR300-IV: Ivory, replacement flange for B210LP and B300-6 bases.

RA100Z: Remote LED annunciator. 3 – 32 VDC. Mounts to a U.S. single-gang electrical box. For use with B501 and B300(A)-6 bases only.

M02-04-00: Test magnet.

M02-09-00: Test magnet with telescoping handle.

CK300: White, detector color kit. Pack of 10.

CK300-IV: Ivory, detector color kit. Pack of 10.

CK300-BL: Black, detector color kit. Pack of 10.

Farenhyt IDP-HEAT-W Series Technical Specifications

PHYSICAL

Height: 2.0" (51mm) installed in B300-6 base

Diameter: 6.2" (156mm) installed in B300-6 base 4.1" (104 mm) installed in B501 base

Weight: 3.4 oz (95 g)

ENVIRONMENTAL

Operating Temperature range:

Thermal 135° F fixed: -4°F to 100°F (-20°C to 38°C)

Thermal 135° F rate-of-rise: -4°F to 100°F (-20°C to 38°C)

Thermal 190° F rate-of-rise: -4°F to 135°F (-20°C to 57°C))

Humidity: 10% to 93% non-condensing

Rate-of-Rise Detection: Responds to greater than 15°F/minute or 135°F (8.3°C/minute or 57°C

ELECTRICAL RATINGS

Voltage Range: 15 to 32VDC

Standby Current (@ 24 VDC): 200UA (one communication every 5 seconds with green LED enabled)

Max Alarm Current (max.): 2mA @ 24VDC (one communication every 5 seconds with red LED enabled)

Max Current (max.): 4.5mA @ 24VDC (one communication every 5 seconds with amber LED enabled)

COMPATIBILITY

The IDP-HEAT-W series detectors are compatible with the following Farenhyt Series FACPs:

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency Web site.

UL listed: S2101

FM approved

CSFM: 7270-0559:0511

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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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 Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

Honeywell Farenhyt
12 Clintonville Road
Northford, CT 06472
800-328-0103

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