

Farenhyt Series Black Detectors

Intelligent Detectors

The Honeywell Farenhyt Series Black detectors are intelligent (addressable) detectors with point ID capability that enable each detector address to be set with rotary address switches providing exact device locations. Detector sensitivity is continually monitored and reported to the fire alarm control panel. The modern design and expanded color options support contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency.

The IDP-PHOTO-W (-IV) photoelectric detector's re-designed optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards. The sensitivity of the Farenhyt Series Black detectors can be programmed using the control panel software to suit the environment. The IDP-PHOTO-R-W (-IV) photoelectric detector is also remote test capable that may be used with a DNR (DNRW) duct smoke detector housing. The IDP-PHOTO-T-W (-IV) multi-sensor detector offers either photoelectric detection or thermal detection through dual electronic thermistors at 135°F fixed temperature thermal sensing.

Farenhyt Series thermal detectors provide cost-effective, intelligent property protection with a UL 521 listing: the IDP-HEAT-W (IDP-HEAT-W-IV) offers 135°F fixed thermal detection; the IDP-HEAT-ROR-W (IDP-HEAT-ROR-W-IV) offers 135°F fixed and rate-of-rise thermal detection; the IDP-HEAT-HT-W (IDP-HEAT-HT-W-IV) provides fixed high-temperature detection at 190°F.



IDP-PHOTO-W



IDP-HEAT-IV

FEATURES & BENEFITS

- Designed to meet UL 268 7th Edition
- Dual LEDs for 360° visibility
- New modern profile
- Expanded color options
- Analog communications
- Low standby current
- Rotary address switches

Farenhyt Series Black Intelligent Detector 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:
Photo: 32°F to 122°F (0°C to 50°C)
Photo with Thermal: 32°F to 100°F (0°C to 38°C)
Heat -Fixed temperature: -4°F to 100°F (-20°C to 38°C)
Heat -Rate of Rise (ROR): -4°F to 100°F (-20°C to 38°C)
Heat -High Temperature: -4°F to 150°F (-20°C to 66°C)
UL listed Velocity range: Photo/Photo with Thermal: 0 to 4,000 fpm (0 to 20 m/sec) (suitable for installation in ducts)
Humidity: 10% to 93% non-condensing
Thermal Ratings: Fixed Temperature Set point: 135°F (57°C)
Rate-of-Rise Detection: 15°F/min. (8.3°C/min.)
High Temperature Heat: 190°F (88°C)

ELECTRICAL RATINGS

Voltage Range: 15 to 32VDC peak
Operating Current @ 24VDC: 200µA (one communication every 5 seconds with green LED blink on communication)
Maximum Current: 4.5mA @ 24VDC (one communication every 5 seconds with amber LED solid on)
Maximum Alarm Current: 2mA @ 24VDC (one communication every 5 seconds with red LED solid on)

ORDERING INFORMATION

IDP-PHOTO-W: Photoelectric smoke detector, bright white. -IV: Ivory
IDP-PHOTO-R-W: Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors, bright white. -IV: Ivory
IDP-PHOTO-T-W: Photoelectric smoke detector with thermal sensing, bright white. -IV: Ivory
IDP-HEAT-W: Thermal heat detector, 135°F fixed, white. -IV: Ivory
IDP-HEAT-ROR-W: Thermal heat detector, 135°F rate of rise, white. -IV: Ivory

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

IDP-HEAT-HT-W: Thermal heat detector, 190°F high temp, white. -IV: Ivory

BASES

B501: 4" mounting base, white. -IV: Ivory (effective 1/15/2018)
B501BP: 4" mounting base bulk pack, white (effective 1/15/2018)
B300-6: 6" Flanged mounting base, white. -IV: Ivory
B300-6-BP: 6" Flanged mounting base bulk pack
B200S: Intelligent addressable sounder base, white. -IV: Ivory (effective 1/15/2018)
B200S-LF: Intelligent addressable low frequency sounder base, white. -IV: Ivory (effective 1/15/2018)
B200SR: Intelligent sounder base, white. -IV: Ivory (effective 1/15/2018)
B224RB: Relay base, white. -IV: Ivory (effective 1/15/2018)
B224BI: Isolator base, white. -IV: Ivory (effective 1/15/2018)

ACCESSORIES

SMB600: Surface Mounting Kit (flanged)
TR300: Accessory Flange Ring for B300 6" Base, bright white. -IV: Ivory
CK300: Color Kit (includes cover and trim ring), white. -IV: Ivory
RA100Z: Remote LED annunciator. Ivory
M02-04-01: Detector test magnet. Ivory
M02-09-00: telescoping test magnet. Ivory

AGENCY LISTINGS AND APPROVALS

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

UL listed
FM approved
CSFM

COMPATIBILITY

The IDP-PHOTO-W/IV, IDP-PHOTO-T-W/IV, IDP-PHOTO-R-W/IV, IDP-HEAT-W/IV, IDP-HEAT-ROR-W/IV and IDP-HEAT-HT-W/IV 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

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.