

IDP-ACCLIMATE

Addressable Multicriteria Smoke Detector

The IDP-ACCLIMATE Multicriteria Photoelectric Smoke Detector incorporates both thermal and photoelectric technologies that interact to maximize detection. An on-board microprocessor with advanced software focuses on rejecting nuisance alarms. The IDP-ACCLIMATE is for use with the Honeywell Farenhyt Series fire alarm control panels (FACPs).

Using advanced software, IDP-ACCLIMATE continuously samples the air in the environment and adjusts its detection parameters and alarm threshold accordingly. And it does this automatically, without user intervention.

A patented photoelectric sensing chamber and dual thermistor heat detector combine with an array of on-board software tools, to maximize fire detection. In a real fire, the smoke and heat sensors work together to make the quickest possible decision. The photo sensor is optimized for smoldering fires, the heat sensors are rate-of-rise compensated to provide a faster response to flaming fires. The on-board intelligent software combines both signals to give an early alarm.

A dual stage drift compensation feature reduces maintenance frequency. IDP-ACCLIMATE offsets the effects of gradual dust buildup and will notify the control panel before its compensation level is reached, allowing time for maintenance. Once the compensation limit is reached, a second signal is sent to the control panel indicating an urgent need for maintenance.

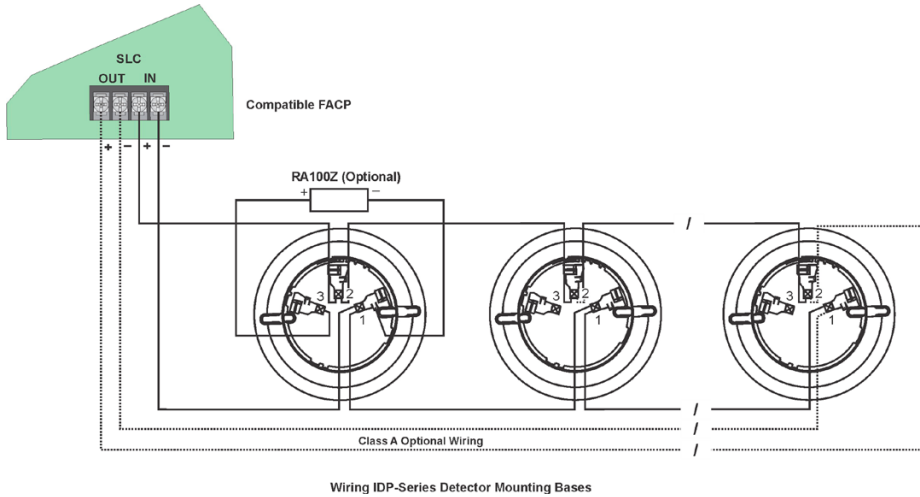


IDP-ACCLIMATE (BASE NOT INCLUDED)

FEATURES & BENEFITS

- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Dual electronic thermistor design
- Superior EMI resistance for reliability
- Microprocessor-based design to provide maximum features
- Simple field cleaning for code compliance
- 0.025" mesh bug screen to keep unwanted insects out
- Variety of mounting options to meet any application
- Dual LED indicators for 360° visibility
- On-board drift compensation reduces maintenance
- Detector transmits signal to indicate maintenance is required
- Detector sensitivity increases in hot fires
- Transient smoke conditions are ignored
- Plug-in mounting provides ease of installation
- Tamper-proof feature available on mounting bases
- Rotary address switches for fast installation
- UL Listed
- CSFM Listed
- MEA Listed 225-02-E Vol. V

IDP-ACCLIMATE Technical Specifications



PHYSICAL

Height: 1.66" (4.2cm)

Diameter: 4.0" (10.2cm)

Shipping Weight: 5.2 oz. (147 g)

ENVIRONMENTAL

Operating Temperature: 32°-100°F (0°C-38°C)

Humidity: 10 to 93% non-condensing)

ELECTRICAL RATINGS

Operating Voltage: 15 – 32VDC

Standby Current: 250 μ A @ 24 VDC (no communication; LED off). 300 μ A @ 24 VDC (one communication every 5 sec with LED enabled)

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

OTHER RATINGS

Thermal: Fixed Temperature Setpoint 135°F (57°C)

Velocity: 0 – 4000 fpm (0 – 6.1 m/sec)

Insect Screen Hole Size: 0.025" (0.64 mm) nominal

ORDERING INFORMATION

IDP-ACCLIMATE: Multicriteria Photoelectric Smoke Detector

ACCESSORIES

RA100Z: Remote LED annunciator.

XR2B: Detector removal tool. A removal and replacement tool for IDP plug-in detectors. Includes the T55-127-000.

M02-04-01: Detector test magnet

M02-09-00: Telescoping test magnet

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.

The IDP-ACCLIMATE is compatible with the following detector bases:

- B210LP - 6" Mounting Base
- B501 - 4" Mounting Base
- B224BI - 6" Isolator Base
- B224RB - 6" Relay Base
- B200SR 6" - Sounder Base

The IDP-ACCLIMATE is compatible with the following Farenhyt Series FACP's:

- 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 more information

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

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For Technical Support, Please call 800-446-6444.

Honeywell