Honeywell

Farenhyt Series

IDP-Series Multi-Criteria Photo/CO Detector

Multi-criteria photoelectric and carbon monoxide (CO) detection combined in a single addressable device



IDP-PHOTO-CO-W installed in B200S-WH sounder base

Features

- Combination smoke and CO detector
- Automatic drift compensation of smoke sensor and CO cell
- Uses only one address on the SLC
- RealTest® CO testing capability
- UL 268 and UL 2075 listed
- Separate audible signal for fire or CO alarm when used with a B200S series base
- 10-year CO cell with end-of-life warning and fault
- Modern profile
- Expanded color options

Agency Listings

UL CERTIFIED SAFETY SIGNALING US S6173

7275-0559:0520

IDP-Series smoke detectors are intelligent (addressable) detectors with point ID capability that enables each detector address to be set with rotary address switches providing exact device locations. Refer to the Addressable Detector and Sounder Base Compatibility Chart or the Intelligent Control Panel SLC Wiring Manual for specific panel compatibility. 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 Farenhyt IDP-PHOTO-CO-W is an intelligent, multi-criteria detector incorporating photoelectric and carbon monoxide (CO) detection principles. It offers a cost-effective solution that meets both the UL 268 standard for smoke detection and UL 2075 standard for system-connected life safety carbon monoxide detection. The dual function of this single device makes it ideal for installations such as hotels, schools and high-rise residential applications that require both smoke and CO detection.

Released through the incomplete burning of various fuels, CO is a colorless, odorless and deadly gas that is virtually impossible to detect with the human senses. Because the potential exists for dangerous levels of CO to accumulate in almost any building, legislation mandating the use of CO detection in commercial spaces continues to grow.

IDP-PHOTO-CO-W is recommended for use in conjunction with the B200S series intelligent sounder bases, which can generate either a Temp 3 pattern for fire or a Temp 4 pattern for CO alarm indication. The B200S series bases recognize the System Sensor synchronization protocol. This enables it to be used as a component of the general evacuation signal — along with other System Sensor horns, horn strobes, and chimes — when connected to a power supply or Fire Alarm Control Panel (FACP) output capable of generating the System Sensor synchronization pulses.

IDP-Series Photo/CO Detector Specifications

Physical Specifications	
Height	2.7˝(69 mm) installed in B200S series sounder base
Diameter	6.875˝(175 mm) installed in B200S series sounder bases
Weight	3.4 oz. (95 g)
Color	White
Operating Humidity Range	15% to 90% Relative Humidity, Non-condensing
Operating Temperature Range	32°F to 122°F (0°C to 50°C)
Air Velocity	0 to 4000 ft./min. (0 to 1219.2 m/min.)
Sensitivity Rating	Open Area 2.39-4.20%/FT Special Application 1.13-2.39%/FT
Electrical Specifications	
Operating Voltage Range:	15 to 32 VDC
Operating Current @ 24 VDC:	200 uA (one communication every 5 seconds with green LED blink on communication)
Maximum Alarm Current:	2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on)
Maximum Current:	4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on)
Isolator Load Rating:	0.0063

CO Monitoring UL Standard Reference – Alarm Thresholds are as follows:	
Parts Per Million	**Detector Response Time**
70 ± 5ppm	60 – 240 min.
150 ± 5ppm	10 – 50 min.
400 ± 10ppm	4 – 15 min.

Per UL standard 2075, the IDP-PHOTO-CO-W has been tested to the sensitivity limits defined in UL standard 2034.

Ordering Information

Part No.			Description
White	Ivory	Black	
IDP-PHOTO-CO-W	—	—	IDP-Series Photo/CO detector
Bases			
B501-WHITE	B501-IV	B501-BL	4" Mounting base
B501-WHITE-BP	—	—	4" mounting base, bulk pack
B300-6	B300-6-IV	—	6" Flanged mounting base
B300-6-BP	—	—	6" Flanged mounting base, bulk pack
B200S-WH	B200S-IV	—	Intelligent addressable sounder base
B200S-LF-WH	B200S-LF-IV	—	Intelligent addressable sounder base, low-frequency
B224BI-WH	B224BI-IV	—	Isolator base
B224RB-WH	B224RB-IV	—	Relay base
Accessories			
—	SMB600	—	Surface mounting kit (flanged)
TR300	TR300-IV	—	Trim ring
—	CK300-CO-IV	CK300-CO-BL	CO color kit (includes cover and trim ring)
—	RA100Z		Remote LED annunciator
M02-04-00			Detector test magnet
M02-09-00			Telescoping test magnet

Accessories

RA100Z

Remote LED Annunciator



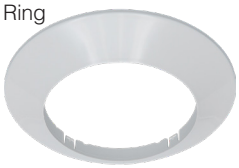
CK300-CO-BL

Color Kit



TR300

Trim Ring



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Honeywell
Farenhyt Series

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