Farenhyt

IDP-Photo & IDP-Photo-T

The IDP-Photo is a photoelectric smoke detector and the IDP-Photo-T is a photoelectric smoke detector with thermal. These plug in smoke detectors, with integral communication, provide features that surpass conventional detectors and 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-Photo and IDP-Photo-T have a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources. In the IDP-Photo-T, dual electronic thermistors add 135ºF (57ºC) thermal technology to maximize detection.

Features

- Sleek, low-profile design
- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Dual electronic thermistor design on the IDP-Photo-T
- Superior EMI resistance for reliability
- Simple field cleaning for code compliance
- Variety of mounting options to meet any application
- Dual LED indicators for 360º visibility
- Detector transmits signal to indicate maintenance is required
- Optional remote LED annunciator (PN SSRA400Z)
- Plug-in mounting provides ease of installation
- Tamper-proof feature available on mounting bases
- Listed for use in duct applications
- Rotary address switches for fast installation
- UL Listed

Installation

The IDP-Photo and IDP-Photo-T plug into a compatible IDP-series detector base.

MEA
225-02-E Vol. V

IDP-Photo (Base Not Included)

IDP-Photo-T (Base Not Included)

Compatibility

The IDP-Photo and IDP-Photo-T are compatible with the following IDP-series detector bases:

- IDP-6AB 6" Mounting Base
- SSB501 4" Mounting Base
- SSB224BI 6" Isolator Base
- SSB224RB 6" Relay Base
- SSB501BHT 6" Temporal Sounder Base

The IDP-Photo and IDP-Photo-T are compatible with the following FACPs:

- IFP-1000 Intelligent Fire Panel
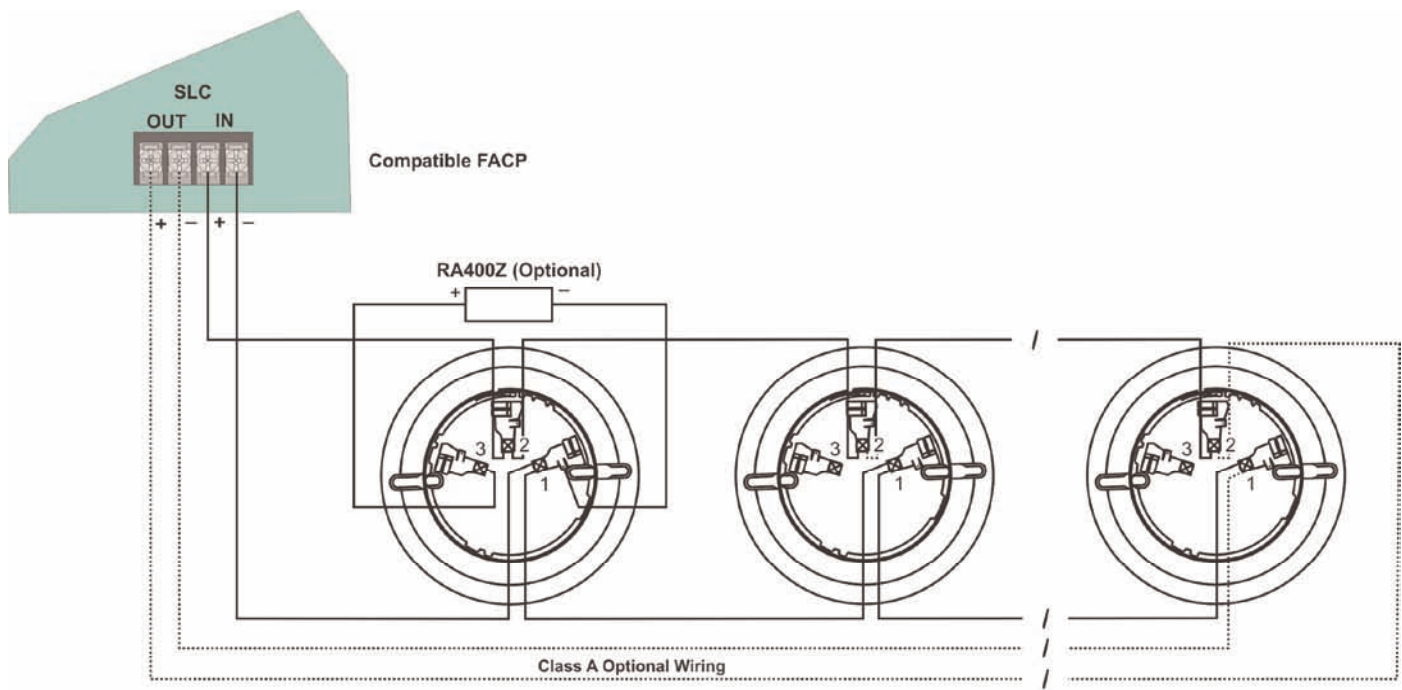- IFP-100 Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

Wiring IDP-Series Detector Mounting Bases

Specifications*

Physical

Height: 2.0" (5.0 cm)

Diameter: 4.1" (10.4 cm)

Shipping Weight: 5.2 oz. (147 g)

Electrical

Operating Voltage: 15–32 VDC

Standby Current:
   250 µA @ 24 VDC (no communication; LED off)

   300 µA @ 24 VDC (one communication every 5 sec with LED enabled)

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

Environmental

Operating Temperature
   IDP-Photo: 32º – 120ºF (0ºC – 49ºC)

   IDP-Photo-T: 32º – 100ºF (0ºC – 38ºC)

Humidity: 10% – 93% non-condensing

Other Ratings

IDP-Photo-T Thermal: Fixed temperature setpoint 135ºF (57ºC)

Velocity: 0 – 4000 fpm (0 – 20 m/sec)

IDP-Photo Insect Screen Hole Size: 0.016" (0.41 mm) nominal

Ordering Information

IDP-Photo	Photoelectric Smoke Detector
IDP-Photo-T	Photoelectric Smoke Detector with Thermal (135ºF)

Accessories

SSRA400Z	Remote LED Annunciator.
SSRMK400	Recessed Mounting Kit. Provides low profile for use with SSB501.
SSXR2B	Detector Removal Tool. A removal and replacement tool for IDP plug-in detectors. Includes the SST55-127-000.
SSM02-04-01	Detector Test Magnet.
SSM02-09-00	Test Magnet with Telescoping Handle.
SSXP-4	Extension Pole for SSXR2B. Extends from 5 – 15 ft.
SST55-127-000	Detector Removal Head.
SSBCK-200B	Black Detector Kit. For IDP-series detectors.

* Unless otherwise noted, specifications apply to IDP-Photo and IDP-Photo-T.