Farenhyt

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Addressable Devices with Intelligent Device Protocol (IDP)

Intelligent Device Protocol (IDP) devices are intelligent addressable devices for use with the following Farenhyt addressable fire alarm control panels (FACPs): IFP-2000/ECS, IFP-1000/ECS, IFP-100/ECS, and IFP-50. IDP detectors, modules, and accessories communicate to the FACP over the signaling line circuit loop (SLC loop) using a two-wire connection. Shielded or twisted wire is not required. Up to 99 addressable IDP detectors and 99 IDP modules can communicate with the IFP-50, IFP-100/ECS, and IFP-1000/ECS FACP on a single loop. The IFP-2000/ECS can have up to 159 IDP detectors and 159 IDP modules on a single SLC loop. Any combination of addressable IDP devices and IDP modules can be used on a single SLC loop.

The assortment of IDP detectors, modules, and accessories that are compatible with Farenhyt addressable FACPs are described below. For detailed information on IDP devices, see the device specification sheet.

Detectors

IDP-Photo

A plug-in photoelectric smoke detector. IDP-Photo offers a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources.



IDP-Photo (Base Not Included)

IDP-Photo-T

A plug-in photoelectric smoke detector with thermal. IDP-Photo-T offers a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135ºF (57ºC) thermal technology to maximize detection.

IDP-Ion

A plug-in ionization smoke detector. IDP-Ion incorporates a unique single source, dual chamber design to respond quickly to a broad range of fires.

IDP-Heat

A fixed temperature thermal detector that uses a thermistor sensing circuit to produce 135ºF (57ºC) fixed thermal detection.



IDP-Heat (Base Not Included)

IDP-Heat-HT

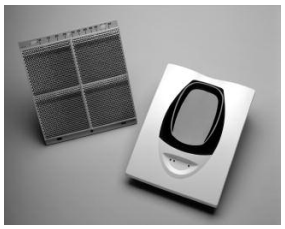
A variable high temperature detector that provides high temperature detection at 135ºF – 190ºF (57ºC – 88ºC).

IDP-Heat-ROR

A fixed temperature and rate-of-rise thermal detector that uses a thermistor sensing circuit to produce 135ºF (57ºC) thermal protection. Rate-of-rise detection occurs at 15ºF per minute (9ºC per minute).

IDP-Beam

A beam smoke detector that is uniquely suited for protecting open areas with high ceilings where other methods of smoke detection are difficult to install and maintain.



IDP-Beam

IDP-Beam-T

A beam smoke detector that includes an integrated sensitivity test feature. The IDP-Beam-T is uniquely suited for protecting open areas with high ceilings where other methods of smoke detection are difficult to install and maintain.

DNR/DNRW

The DNR Intelligent non-relay photoelectric duct smoke detector housing and DNRW watertight non-relay photoelectric duct smoke detector housing (head not included) are for use in air handling systems that have air velocities of 100 to 4000 ft/minute.



DNR

IDP-PhotoR

Remote test capable head replacement for DNR/DNRW that has a date code of 0013 or newer.

IDP-Acclimate

Incorporates both thermal and photoelectric technologies that interact to maximize detection. The IDP-Acclimate has an on-board microprocessor with advanced software that focuses on rejecting nuisance alarms.

IDP-FIRE-CO

The IDP-FIRE-CO is a plug-in, addressable device that provides both fire and carbon monoxide (CO) detection. The IDP-FIRE-CO should be used in conjunction with the B200S intelligent sounder base.



IDP-FIRE-CO
With B200S
(Base Not included)

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Modules

IDP-Monitor

A monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. The IDP-Monitor supports Class B supervised or Class A supervised wiring.



IDP-Monitor

IDP-Minimon

A compact and light weight monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. The IDP-Minimon supports Class B supervised wiring.

IDP-Monitor-2

A monitor module with two initiating circuits that acts as an interface to contact devices, such as waterflow switches and pull stations. Because the IDP-Monitor-2 is capable of monitoring two separate Class B circuits, it is ideal for waterflow tamper switch and flow switch monitoring.

IDP-Monitor-10

A 10 point monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. Conventional 4-wire smoke detectors can be monitored for alarm and trouble conditions. The IDP-Monitor-10 supports ten Class B or five Class A supervised contact inputs.

IDP-Relay

A relay module that allows an FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch.

IDP-Relay-6

A relay module that has six Form C relays. The IDP-Relay-6 allows an FACP to switch discrete contacts by code command and can be used by virtually any normally open or normally closed application.

IDP-Relaymon-2

The IDP-Relaymon-2 combines two relay outputs and two monitor inputs into one module device. The module is capable of Class B supervised wiring to the monitored devices. It also contains Form C relay contacts allowing the panel to switch the contacts on command.

IDP-Control

A notification module that lets you add notification circuits wherever they are needed on an FACP SLC loop. The IDP-Control provides supervised monitoring of wiring to load devices such as bells, horns, and strobes. The IDP-Control supports Class B and Class A wiring.

IDP-Control-6

A notification module that has six integrated modules for maximum flexibility, allowing you to add notification circuits wherever they are needed on an FACP SLC loop.



IDP-Control-6

IDP-Zone

A two-wire interface module that allows an FACP to interface with and monitor two-wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices. The IDP-Zone supports Style B and Style D wiring.

IDP-Zone-6

A two-wire interface module that has six integrated modules and allows an FACP to interface with and monitor two-wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices. The IDP-Zone-6 supports Class B and Class A wiring.

IDP-ISO

A line isolator module that acts as an automatic switch that opens when the line voltage on the SLC loop drops below four volts. Isolator modules are spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them.



IDP-ISO

Accessories

IDP-Pull-SA/IDP-Pull-DA

The IDP-Pull-SA is a single action pull station requiring only one motion to activate the station. The IDP-Pull-DA is a dual action pull station requiring two motions to active the station.

B210LP

A 6” mounting base with built-in remote annunciator connections.

B200SR

The B200SR is designed for new and existing dwelling unit applications. It offers maximum flexibility in installation, configuration, and operation to meet or exceed UL 268 and UL 464 requirements.

B200S

The sounder base “listens in” to the communication between the attached sensor head and the fire alarm control panel (FACP) to adopt the same address as the detector, but as a unique device type on the loop. The B200S has support for CO detection using the IDP-FIRE-CO.

B224RB

A 6” mounting base with a built-in Form C relay contact. Lets you control a wide variety of normally open and normally closed applications. The B224RB supports Class B and Class A wiring.

B224BI

A 6” mounting base with a built-in isolator for IDP-series detectors. The B224BI prevents an entire communication loop from being disabled when a short circuit occurs by isolating any part of a loop that has a short from the rest of the loop. Restores the entire loop when the cause of the short circuit is corrected. Supports Class B and Class A wiring.

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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 more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118.
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