



HFS Series Intelligent Plug-in Detectors

by Honeywell

Description

The HFS Series intelligent plug-in smoke/heat detectors with integral communication provide point location for alarm communication and selective maintenance. This product line is compatible with the Gamewell-FCI Identiflex 100 addressable fire alarm control panel which is ideal for use in small commercial spaces.

Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector address to be set with decade address switches to provide exact detector locations for selective maintenance when the chamber contamination reaches an unacceptable level.

The HFS-P photoelectric detector's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135°F fixed temperature thermal sensing on the HFS-PT model.

The HFS-T detectors use an innovative thermistor sensing circuit to produce 135°F fixed thermal detection in a low profile package. These thermal detectors provide cost-effective, intelligent property protection in a variety of applications.

Specifications

Physical/Operating Specifications:

Height: 2.0 in (51 mm)
Diameter: 6.1 in (155 mm) installed

Shipping Weight:

Heat: 7.68 oz (217.7 g);
Photo/Photo with Heat: 7.95 oz (225.4 g)

Operating Temperature Range:

Photo: 32°F to 120°F (0°C to 49°C)
Photo with Thermal: 32°F to 100°F (0°C to 38°C)
Thermal: -4°F to 100°F (-20°C to 38°C)

UL® Listed Velocity Range:

Photo/Photo with Thermal: 0 – 4000 fpm (0 – 20 m/sec)

Operating Humidity

Range: 10% to 93% non-condensing

Thermal Ratings:

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

Electrical Specifications:

Voltage Range: 15 to 32 volts DC peak
Standby Current: 300 µA @ 24VDC
(max. avg.): (one communication every 5 seconds with LED enabled)

Photo/Photo with Thermal: 300 µA @ 24 VDC
(one communication every 5 seconds with LED enabled)

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

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Intelligent Plug-in Smoke/Heat Detectors



HFS-P Intelligent Plug-in Photoelectric Detector

Features

- Streamlined design
- Analog communications
- Low standby current
- Rotary address switches
- Superior EMI protection
- Dual LEDs for 360° visibility
- Shipped with mounting base

Ordering Information

Part Number	Description
HFS-P	Photoelectric smoke detector
HFS-PT	Photoelectric smoke detector with thermal, 135° F
HFS-T	Fixed temperature thermal detector, 135° F

An ISO 9001-2000 Company



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