



## HFS-P and HFS-PT Intelligent Photoelectric Smoke Sensors with Plug in Detector Base

The HFS-P is an intelligent photoelectric smoke detector and the HFS-PT is an intelligent photoelectric smoke detector with thermal. These plug-in addressable smoke detectors, with integral communication, provide features that surpass conventional detectors and are for use with Silent Knight Model 5600 IntelliKnight Fire Alarm Control Panel (FACP).

For more information about the IntelliKnight Model 5600 system, or to locate your nearest source, please call 800-328-0103.

### Description

The models HFS-P and HFS-PT are plug-in type smoke sensors with a plug-in detector base that combine a photoelectric sensing chamber with addressable-analog communications. The sensors transmit an analog representation of smoke density over a communication line to a control panel.

An LED on the sensor is controlled by the panel to indicate sensor status. Model HFS-PT combines a photoelectric sensing chamber and 135° F (57.2° C) fixed temperature heat detector.

These detectors are intended for use with model 5600 Intelligent system.

### Features

- An LED indicates sensor status
- Sleek, low-profile design
- Rotary address switches for fast installation
- Superior EMI resistance for reliability
- Variety of mounting options to meet any application
- Plug-in mounting provides ease of installation
- Tamper-proof feature available on mounting bases
- Plug-In base included
- Rotary address switches for fast installation
- Analog communications
- Tamper resistant tab available on mounting base
- ETL and UL Listed

### Mounting Information:

4" (102 mm) square box with or without plaster ring; Minimum Depth – 1½" (38 mm)

4" Octagon Box; Minimum Depth – 1½" (38 mm)

3½" Octagon Box; Minimum Depth – 1½" (38 mm)

Single Gang Box; Minimum Depth – 1½" (38 mm)



Model HFS-P and HFS-PT

### Specifications

#### Electrical

Operating voltage: 15 to 32 VDC

Standby Current: 300μ @ 24 VDC

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

#### Environmental:

##### Operating Temperature

HFS-P: 32° – 120°F (0°C – 49°C)

HFS-PT: 32° – 100°F (0°C – 38°C)

Humidity: 10% – 93% non-condensing

#### Physical

Diameter: 6.1" (155 mm)

Height: 2.0" (51 mm)

Weight: 5.7oz. (162g)

### Compatibility

The HFS-P and HFS-PT, Honeywell Fire Systems detectors, are compatible with the model 5600 Addressable fire control panel.

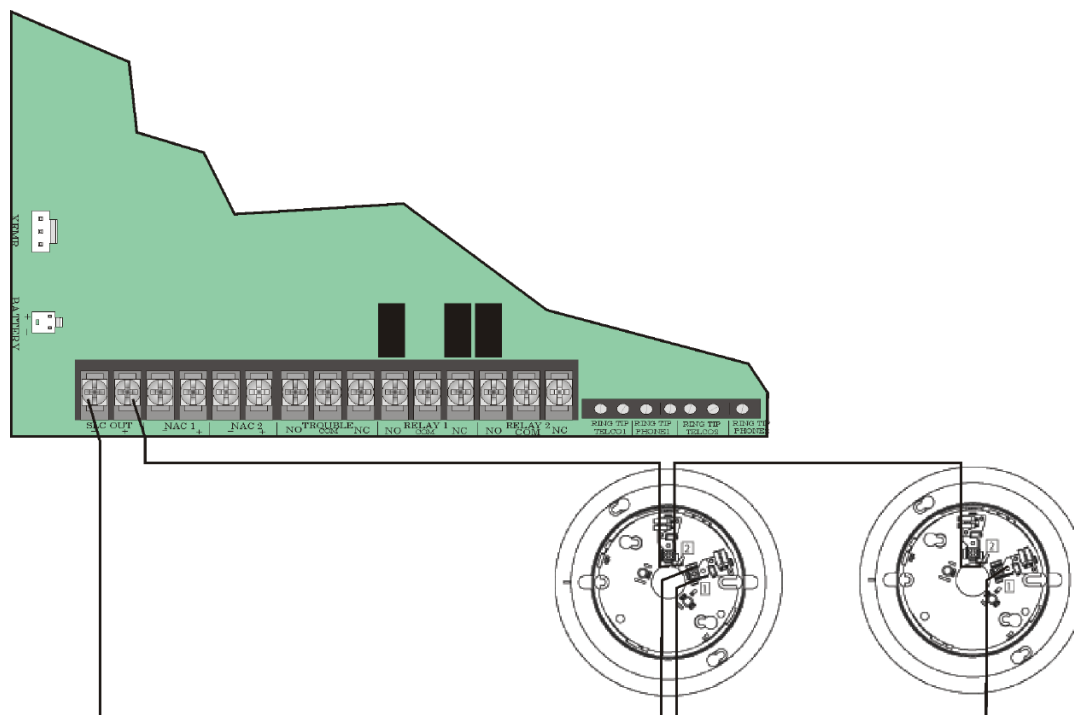
You cannot use Hochiki or SK device type protocols on the 5600 SLC loop.

# Model HFS-P and HFS-PT Intelligent Photoelectric Smoke Sensors

## Engineering Specifications

The smoke detector shall be a HFS-P or HFS-PT intelligent photoelectric smoke detector. The HFS-PT combines a photoelectric sensor with a 135 degree F (57.2 degree C) fixed temperature heat detector. The detector shall be UL listed per UL 268 specifically for use in open areas.

The detector shall provide a trouble signal in the event that the sensor head is removed or improperly installed. The detector shall be capable of local testing via magnet, smoke entry, or direct heat method (HFS-PT only). Terminal connections shall be of the strip and clamp method suitable for 12-18AWG wiring.



**Detector Connection to Panel**