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by Honeywell

## HFS-T IntelliKnight Plug-in Temperature Sensor with Plug-in Detector Base

The HFS-T is an Intelligent sensor with a plug-in detector base that utilizes a state-of-art thermistor sensing circuit for fast response. This addressable thermal sensor is for use with Silent Knight Model 5600 IntelliKnight Fire Alarm Control Panel (FACP).

Heat sensors are an essential component in virtually any Silent Knight installation. The IntelliKnight 5600 panel recognizes each detector by its specific address, so precious seconds are not wasted in determining location of an alarm.

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

### Description

Model HFS-T is a fixed temperature sensor with 135°F (57°C) fixed temperature alarm. The sensor transmits an analog representation of temperature over a communication line to the control panel. Sensitivity is continuously monitored and reported to the FACP.

Point ID capability allows each detector's address to be set with rotary address switches.

This detector is intended for use with model 5600 Intelligent system.

### Features

- Sleek, low-profile design
- Rotary address switches for fast installation
- Innovative thermistor sensing circuit
- Superior EMI resistance for reliability
- Variety of mounting options to meet any application
- Tamper-proof feature available on mounting bases
- Plug-In base included
- ETL and UL Listed

### Mounting Information:

4" (102 mm) square box with or without plaster ring;  
Minimum Depth – 1.5 inches (38 mm)

4" Octagon Box; Minimum Depth – 1.5 inches (38 mm)

3½" Octagon Box; Minimum Depth – 1.5 inches (38 mm)

Single Gang Box; Minimum Depth – 1.5 inches (38 mm)



**HFS-T**

### Specifications

#### Physical

Height: 2.0" (51 mm)

Diameter: 6.1" (155 mm)

Shipping Weight: 4.8 oz (137 g)

#### Electrical

Operating Voltage: 15 to 32 Volts DC Peak

Standby Current: 300µA @ 24 VDC

LED Current: 6.5 mA@ 24 VDC

#### Environmental

##### Operating Temperature

HFS-T: -4° – 100°F (20°C– 38°C)

Humidity: 10% – 93% noncondensing

##### Thermal Ratings

HFS-T: Fixed temperature setpoint 135°F (57°C)

### Compatibility

The HFS-T, Honeywell Fire Systems sensor, is compatible with the model 5600 Intelligent fire control panel.

You cannot use SD device type protocol on the 5600 SLC loop.

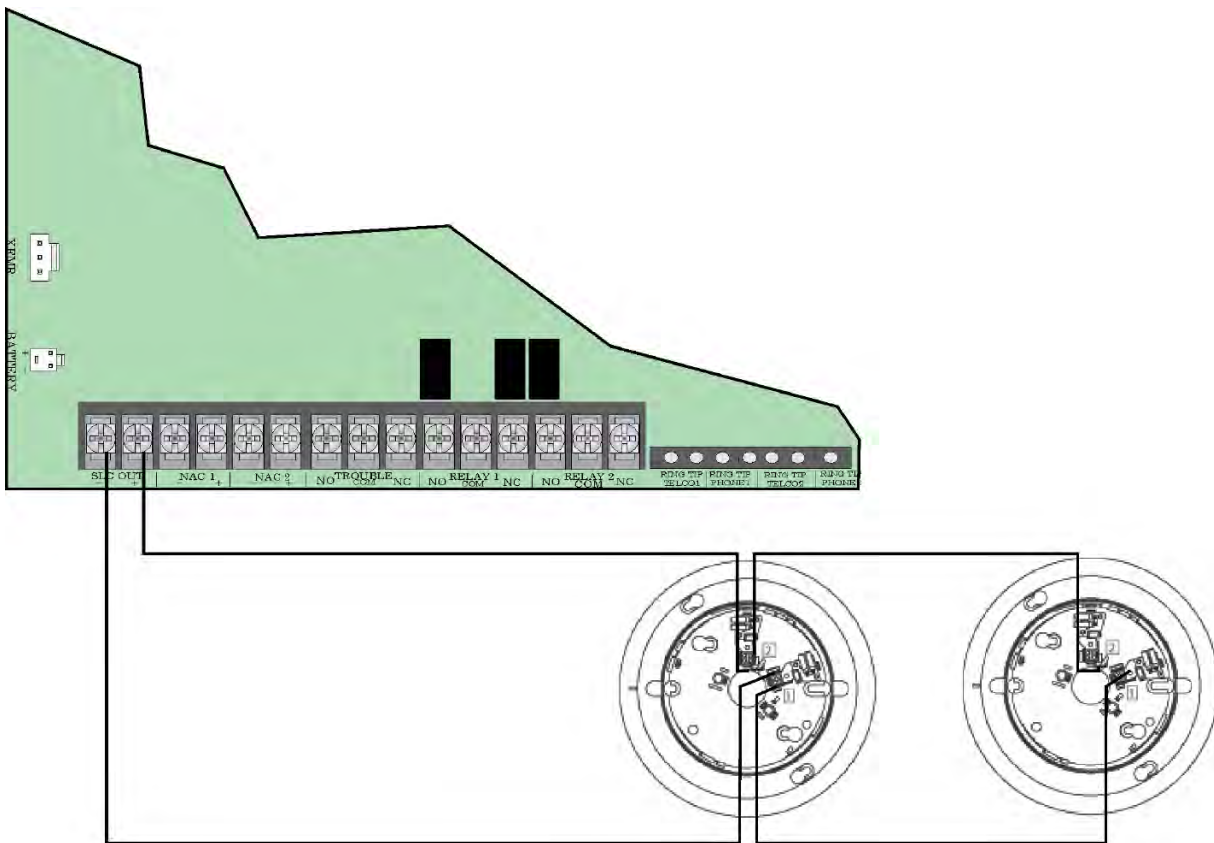
# Model HFS-T

## Temperature Sensor with Plug-in Detector Base

### Engineering Specifications

The heat detector shall be a HFS-T intelligent fixed temperature heat detector. The detector shall be UL listed per UL 521.

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 direct heat method. Terminal connections shall be of the strip and clamp method suitable for 12-18AWG wiring.



Heat Connection to Panel



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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. For Technical Support, Please call 800-446-6444.  
[www.silentknight.com](http://www.silentknight.com)

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