

Intelligent Detection Devices

Thermal (Heat) Detector Model HI921

ARCHITECT AND ENGINEER SPECIFICATIONS

- Provides seven (7) field-selectable settings in the 135° – 174°F (57.2° – 78.9°F) temperature range
- Tri-color detector-status light-emitting diode (LED) with 360° viewing
- Compatible with Model DPU (device programmer / loop tester)
- Utilizes advanced microprocessor-based signal processing
- Provides a low-temperature warning at 40°F (4.4°C)
- Each detector is self-testing:
 - complete diagnostics performed every 10 seconds
- Polarity insensitive utilizing *SureWire™* technology
- Compatible with Model DB-11-series mounting bases
- Field programmable as rate-of-rise or fixed temperature
- Compatible with Siemens Model 'H'-series devices on the same loop (with Model FC9-series fire-alarm control panels)
- Superior EMI / RFI immunity
- RoHS compliant
-  UL Listed and  ULC Pending; CSFM Approved



Product Overview

The Intelligent Thermal (Heat) Detector (Model HI921) provides an advanced method of detection, address programming and supervision — combined with sophisticated FACP communication. Model HI921 uses a state-of-the-art thermistor, microprocessor and advanced signal analysis, providing high reliability and accuracy.

Further, Model HI921 is a cost-effective, two-wire / addressable thermal detector that provides a distinctive, advanced feature: field-selectable temperature settings specially tailored for application-specific detection needs.

Model HI921 provides seven (7) field-selectable temperature-range settings: 135°F (57°C) — 174°F (79°C) with fixed and rate-of-rise programmability. This variance provides the customer with maximum flexibility to program the temperature settings to suit multiple application needs and changing environmental conditions.

Additionally, Model HI921 can be configured to provide a low-temperature warning signal at 40°F (4.4°C). This feature — along with a compatible FACP (either Model FC922 or Model FC924) — serves as prevention of water freezing in pipes for sprinkler systems, meeting NFPA 72.

Model DPU

Model HI921 is compatible with the Siemens field-device programmer / test unit (Model DPU), which is a compact, portable, menu-driven accessory for electronically programming and testing detectors easily and reliably.

Model DPU eliminates the need for cumbersome, unreliable mechanical programming methods, such as dials or switches, and reduces installation and service costs by electronically programming and testing the detector prior to installation.

Each detector consists of a solid state, non-mechanical thermal sensor, and microprocessor-based electronics with a low-profile plastic housing. The Model HI921 thermal (heat) detector is  Underwriters' Laboratories (UL) Listed.

Cerberus™ PRO

Fire Safety & Security Products

9901

Thermal (Heat) Detector