PRODUCT DATASHEET - INTELLIGENT (CLASS P) HEAT DETECTOR

INTELLI-SENSE
Addressable Device

TI-002216

DESCRIPTION

The TI-002216 Intelligent Heat Detector is a point detection device that continuously samples for temperature variation in the protected area to provide the earliest warning of a fire condition in areas where traditional smoke detection products are not suitable. This detector forms part of the Intelli-Sense range of aesthetically pleasing low profile detection and alarm products and is fully compatible* with Intelli-Sense Fire Alarm Control Panels utilising the fully digital communication protocol.
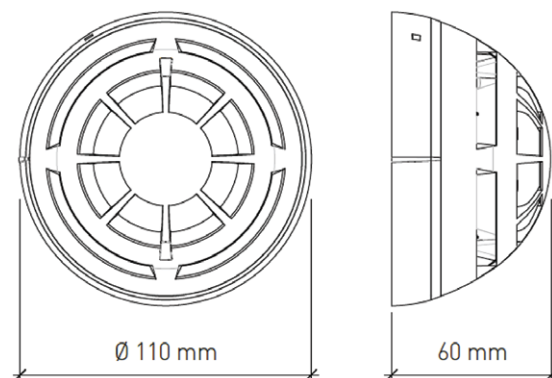
*For BASE COMPATIBILITY see page 2

KEY FEATURES

- Multiple fully approved sensitivity settings
- Utilises fully digital protocol with high noise rejection
- Dual alarm LEDs providing 360deg cone of visibility
- Open style mounting base offers easy wiring and low pressure locking
- Programmable using the Device Programming Tool
- 1 year product warranty

TECHNICAL SPECIFICATION

Loop voltage	15Vdc – 40Vdc *
Average standby current	85µA @ 24Vdc
Remote Output Max Current	20mA
Dimensions (inc. base)	110mm x 60mm
Temperature Range (no icing)	-10°C to +55°C **
Max tolerated humidity (non condensing)	95% RH
Max number of loop addresses	240
Weight (standard base included)	130 g

TECHNICAL INFORMATION

Ø 110 mm   60 mm

STANDARDS & APPROVALS

BS EN54-5:	Point Heat Detectors

*Minimum 18V with LED operation **Performance may vary at extremes of range

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LED INDICATORS

The detector is equipped with two LEDs mounted to give 360 degree visibility. These indicators display device status and condition*:

NOTE: The LED indicators are managed directly by the fire control panel and the Red (blinking) can be disabled by the installer at the fire control panel or via the hand-held programming unit.
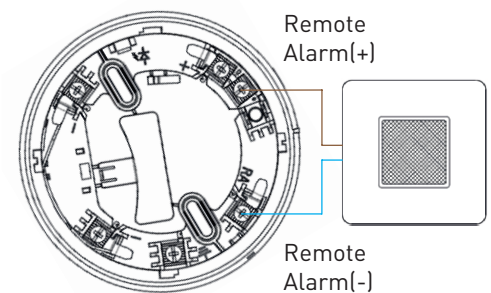
* All functionality may not be available on all control equipment

- Red: (blinking)   Normal operational status
- Amber: Detector in an alarm condition

REMOTE OUTPUT CAPABILITY

A remote output capability is available as a standard feature on this device. This allows the connection of a Remote Indicator Module or a compatible Platform Sounder (check power requirements) to be connected to the detector base terminals and controlled from the fire alarm control panel.
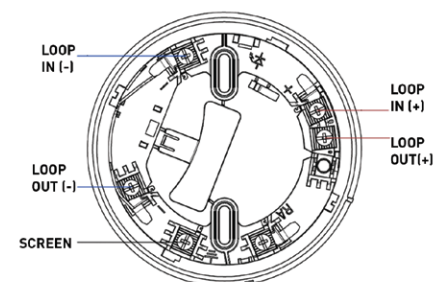
NOTE: If other equipment is connected to the remote output, its supply current must be limited by using an adequate resistor. Consult the TECHNICAL SPECIFICATIONS on page 1 and assess the external device current absorption value. Ensure correct cable polarity.

Remote Alarm(+)

Remote Alarm(-)

INSTALLATION - WIRING

The detector must be mounted on a compatible detector base and all analogue loop wiring must be correctly terminated as shown:

- Connections to the detector base terminals are polarity sensitive.
- Care should be taken to ensure correct cable polarity

LOOP IN (-)
LOOP IN (+)
LOOP OUT(+)
LOOP OUT (-)
SCREEN

BASE COMPATIBILITY

This device is compatible with the following Intelli-Sense bases and base sounders:

- TI-002231   Intelligent Base
- TI-002232   Intelligent Addressable Base Sounder
- TI-002233   Intelligent Addressable Base Sounder VID