

PRODUCT DATASHEET - INTELLIGENT (CLASS P) HEAT DETECTOR



INTELLI-SENSE

Addressable Device

TI-002215

DESCRIPTION

The TI-002215 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. An integral magnet test facility allows easy activation to verify correct functionality and reporting.

*For BASE COMPATIBILITY see page 2

KEY FEATURES

- Multiple modes of operation
- Auto addressing capability on compatible fire control panels
- Bi-directional isolator to protect against cable faults
- Utilises fully digital protocol with high noise rejection
- Dual bi-colour LEDs providing 360deg cone of visibility
- Open style mounting base offers easy wiring and low pressure locking
- Programmable using the Device Programming Tool
- Magnet test capability
- 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

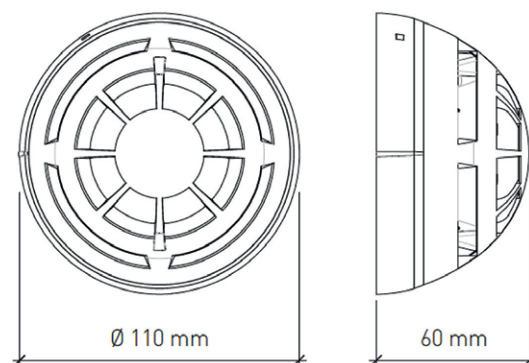
STANDARDS & APPROVALS

BS EN54-5: Point Detectors A1R

BS EN 54-17: Short Circuit Isolators

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

TECHNICAL INFORMATION



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LED INDICATORS

The detector is equipped with two tri-colour 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 Green (blinking) can be disabled by the installer at the fire control panel or via the hand-held programming unit.

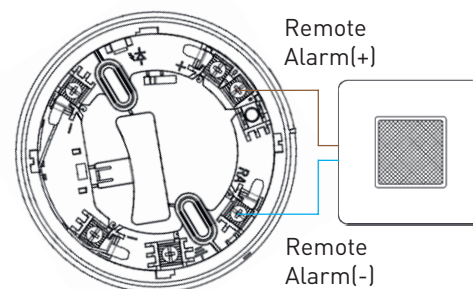
* All functionality may not be available on all control equipment

- | | |
|---------------------|--------------------------------|
| ■ Green: (blinking) | Normal operational status |
| ■ Red: | Detector in an alarm condition |
| ■ Amber: | Detector in a fault 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.

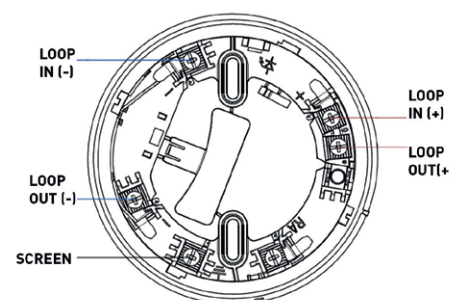
NOTE: If other equipment is connected to the remote output, its supply current must be limited by using an adequate resistor. Consult the TECHNICAL SPECIFICATIONS on page 1 and assess the external device current absorption value. Ensure correct cable polarity.



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



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 |



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