



I-9103

Features and Benefits

Dual fixed temperature heat detector. Combining both fixed temperature and rate of rise heat detection.

As standard the fixed Temperature is set to 66 degrees C. while the rate of rise is set to 6 degrees C in one minute.

The rate of rise function can be switched off and the fixed temperature can be adjusted between 54 and 74 Degrees C.

1. Built in 8 bit microprocessor
2. Algorithm maps for false alarm rejection
3. Analogue sensing
4. Secure and speedy communication
5. Self diagnosis and history log
6. Electronically addressed
7. Twin LED for 360° vision
8. Low profile design
9. Fixed temperature response is adjustable via hand held programming tool between 56 and 74 degrees C.

Description

This detector is very reliable for application in places where may have high dust levels or Smokey environments which makes a normal smoke detector unsuitable, for example boiler/plant rooms, cars parks, kitchen, loading bays, furnace/kiln rooms. Meeting the sensitivity requirement of EN 54 part 5 and part 6 European Standard and approved by LPCB.

Aesthetically pleasing low profile design and easy to install. Utilizing the latest development of intelligent processor that provides Algorithm mapping, Built-in A/D converter, Self Diagnosis and history log.

Electronic addressing can be done through Handheld Programming device (P-9910), purchased separately.

Technical Specifications

- Standard: EN54-part5/ part6
- Approval: LPCB,UL,CE
- Protection rating: IP 22
- Operating voltage: 24Vdc Loop voltage
- Operating Current:
 - Standby current 0.8mA
 - Alarm Current 1.4mA
- Operating temperature: -10°C to +50°C
- Fixed Temperature adjustments: between 54°C to 80°C
- Relative humidity: 95%
- Application: Indoor use
- Detecting range: 50 sqm. for normal areas; and 20 sqm for high risk
- Field Programmable sensitivity: 3 levels:54, 66 and 74 degrees.
- Visual Indicator: twin LED, Red (lit steady when alarm, 3 sec interval blinking at normal state)
- Material and colour: ABS, off-white
- Wiring: 1 pair non polarized
- Dimensions: diameter 10cm; height 5cm

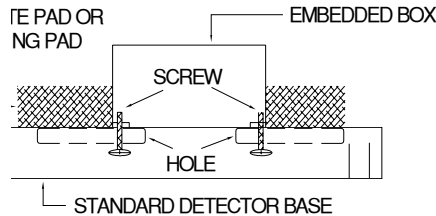
Exclusive distributor

MASTER CONTROLS CO., LTD

100/69 Vongvanit Complex Building B, 22nd floor, Rama 9 Road, Huaykhwang, Bangkok 10320
Tel: 02-645-1440-3 Fax: 02-248-7701 Service Hotline: 01-373-1357 www.mastercontrols.co.th



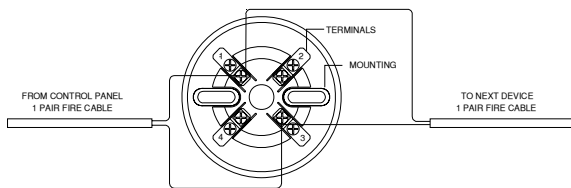
The detector is mounted using standard base DZ-03 multiple-direction design allows easy direction adjustment. Suitable for surface mount only, mount to embedded box; 1gang UK standard.



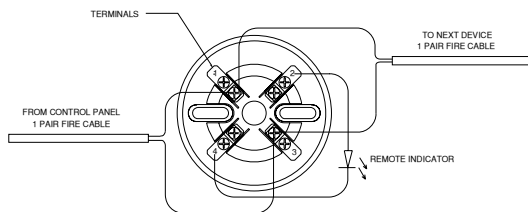
BASE MOUNTING

Wiring and Connection

Connect the wires to the required terminal according to the wire diagram. The cable must be fire rated type and the size depends on the distance and application. Minimum size gauge 1.0mm²(18 AWG)



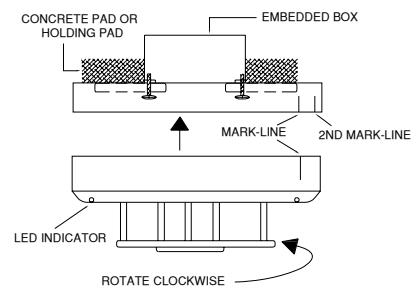
Connection of remote indicator output (I-9103R). Connect the wire on terminals 2 and 4.



Detector Installation

Fire detection should be installed in compliance with local codes and /or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code.

Verify the proper wiring and base is firmly mounted to prevent detector damage before the installation. Position the detector in the base in alignment with the mark-line and secure the detector in position by rotating it clockwise until it reaches the next mark line.



Programming

The address of the detector and sensitivity can be programmed using GST handheld programmer (P-9910), purchased separately. Connect the two wires of the handheld programmer to any two opposite terminals of the detector.

Selection of compatible Control Panels

Compatible with all GST Intelligent Fire Alarm Panels GST 100, GST 200, GST 500, GST 5000, GST 9000.