Explosion Proof Dual Heat Detector
C-9103Ex

GST
Global System Technology PLC
The Intelligent Solution

Features and Benefits

1. Fixed Temperature and Rate of Rise Detection
2. Twin LED for 360° vision
3. Low profile design
4. Initiated by fire alarm point using I-9332Ex Interface
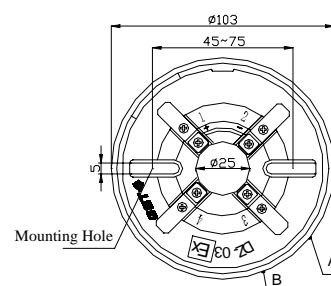
Description

C-9103 (Ex) Explosion-proof Rate of Rise and Fixed Temperature Heat Detector is applicable to Zone 1 and Zone 2 of areas with explosion-proof requirement in petroleum and chemical industries. It can match with LD-8332 Interface connected with GST fire alarm controller, explosion-proof detector to conduct the processing of detector signals.

Technical Specifications

- Operating Voltage: DC12V to DC24V
- Operating Current:
  Standby Current ≤ 60μA
  Alarming Current ≤ 30mA
- Wiring: 1 Pair
- Alarm Confirming LED: Red, not lit when polling, constantly lit when alarming.
- Monitoring Area: 30 m2 for space height not more than 8m.
- Operating Environment:
  Temperature: -10ºC+40 ºC
  Relative Humidity: ≤95%, no condensation
- Dimension: Diameter: 100mm, Height: 45mm(excluding the base)
- Safety Barrier Parameters: U_0=28V, I_0=93mA
- Enclosure Protection Grade: IP53
- Material and Color of Enclosure: ABS, ivory white
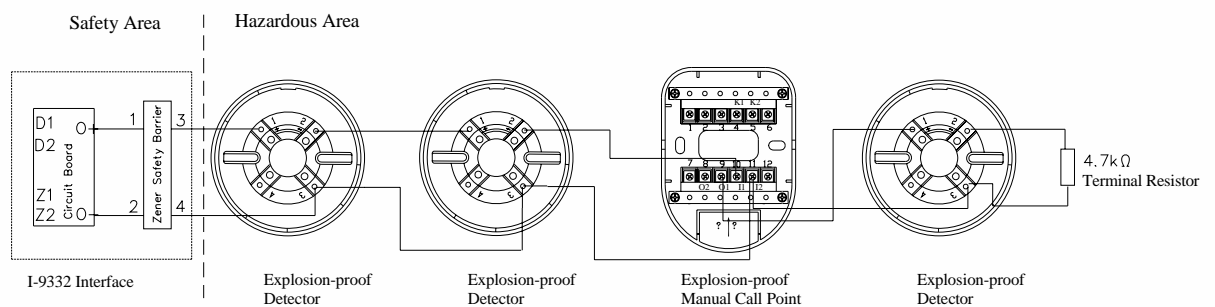- Mounting Hole Distance: 45mm to 75mm

Call Point Installation

The detector should be installed complied with all local codes or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code, BS5839, EN54.It is installed onto a standard one gang electrical box with a mounting hole that have 6.5cm spacing.

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Wiring and Connection

Safety Area | Hazardous Area

I-9332 Interface | Explosion-proof Detector | Explosion-proof Detector | Explosion-proof Manual Call Point | Explosion-proof Detector

4.7kΩ Terminal Resistor

Sample wiring diagram above show detectors are connected with I-9333 Interface. There are four terminals with numbers on the explosion-proof orientation base, "1" is the anode input, "2" is the anode output, "3" is the power cathode, "4" is null.

Selection of compatible Control Panels
Compatible with all GST Intelligent Fire Alarm Panels via I-9332Ex Explosion Proof Interface (purchased separately)

Ordering Information:

Part No	Description	Weight/Kg	Pack Qty per Box
C-9103Ex	Explosion Proof and Intrinsically Safe Dual Heat Detector	0.220	120
DZ-03	Conventional Standard Base	0.050	360
I-9332	Interface Module	1.5Kg	1

Note: Specifications are subject to change without notice.