

## Description

GST I-9102 is analogue addressable smoke detector for GST addressable fire alarm control system. It meets fully the sensitivity requirements of European Standards (EN Standards): EN54-7:2000 - Fire detection and fire alarm systems: Smoke detectors.

I-9102 detector has obtained the both LPCB and CE certificates.

The detector operates on the light scatter principle, and employs 8 bit micro processor to compensate the environmental variation such as temperature, humidity and dust contamination. It can achieve both the high sensitivity and reliability and minimized false alarm.

I-9102 smoke detector may provide earlier fire detection than heat detectors, and is most effective in applications where fires producing large particle smoke can be expected. It is suitable for most applications such as office, school, residence houses, hotel room, shopping mall and other public buildings.

Each I-9102 has one address ranging from 1 to 242. The address is preset in factory and marked on the bottom as the last 3 digit of Code. The address can be changed to any number from 1 to 242 at field by handheld programmer P-9910B.



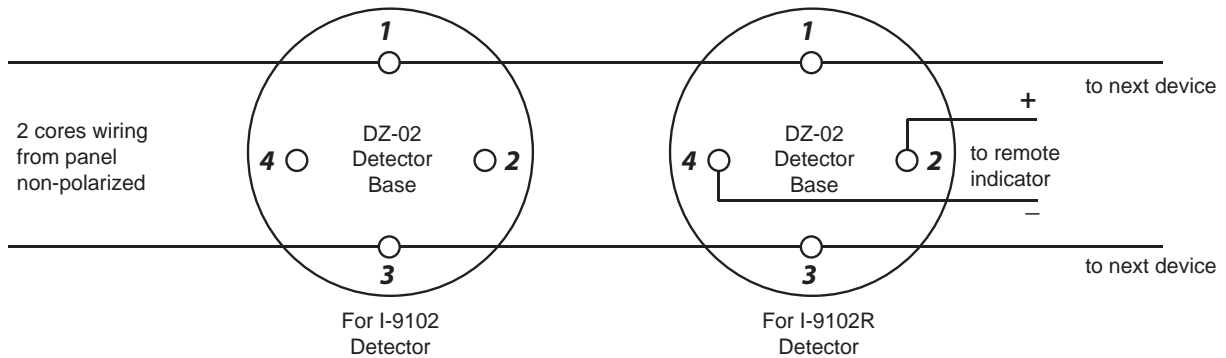
The detector has 2 red LED indicators to indicate its status: standby: flashing once every 10 seconds; or alarm: constant lit on.

I-9102 shall be installed on the detector base DZ-02.

The scatter chamber is removable and may be cleaned at field.

I-9102R is same as I-9102 but with output for remote LED indicator. The output can be wired to LED indicator directly.

## Wiring Schematic



## Specification

Sensitivity: 0.1dB/m

Area coverage:

80m<sup>2</sup>, at height 6–12 m,  
or 60m<sup>2</sup>, at height < 6m,  
or subject to local codes

Indication: 2 red LEDs

Operating voltage: 16-28VDC

Current (quiescent): < 0.8mA

Current (alarm): < 2mA

Mounting: plugs into surface base

Wiring: 2 wires non-polarized

Application: Indoor use

Enclosure rating: IP22

Operating temperature: -10°C ~ +50°C

Relative humidity: <95%

Material: Molded ABS

Diameter 100 mm; Height 43 mm (without base)

Color: ivory white

Weight: 120g (without base)

Exclusive distributor

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