



I-9105R
C-9105R

Intelligent Reflective Beam Detector
Conventional Reflective Beam Detector

Descriptions

GST I-9105R and C-9105R are reflective beam detectors. I-9105 is compatible with all GST intelligent fire alarm system; and C-9105R will be compatible to all conventional fire alarm system.

The I-9105R and C-9105R consist of two parts: detector and reflector. The detector emits infrared light beam and detect the infrared beam reflected from the reflector. And then the detector analyze the received infrared light and adjudge if there is fire in the monitored area.

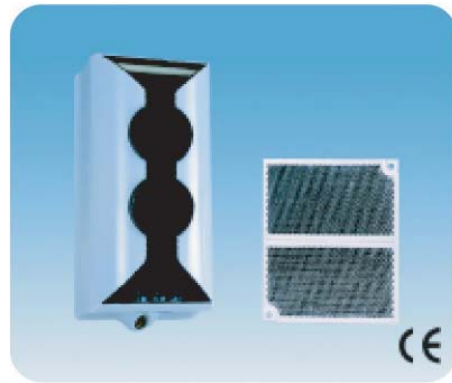
The built-in microprocessor in detector carries out system adjustment, compensation of variation of ambient condition, and judgment of fire and fault through fixed algorithm, and indicate these states by LED and trigger the output terminals.

The newly designed detector is easy to install, align and adjust. The sensitivity of the detector can be set by handheld Programmer (GST-9910B handheld programmer) in field.

The detector is applicable to historical buildings, warehouses, large storages, shopping malls, leisure centers, exhibition halls, hotel lobbies, printing houses, clothing factories, museums and prisons etc, as well as places where slight smoke particles or corrosive gas exist.

Features

1. Wide operating voltage range, large monitoring area.
2. The reflective detector makes mounting easy and optical path accurate.
3. Built-in microprocessor enables intelligent judgment of fire alarm and fault alarm.
4. The detector can calibrate automatically, which makes that one person to complete the adjustment in short time.
5. Self-diagnosis function can monitor the internal fault.
6. Automatic compensation for the factors that decreases received signals, such as dust contamination, positional excursion and ageing of the transmitter.
7. Provides passive output contacts for fire alarm and



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fault alarm.

8. Three sensitivity levels can be set in field.
9. The detector's infrared light path is designed with strong anti-interference ability.
10. SMT processing technology.
11. Attractive and decent appearance.

Specification

- 1, Protecting distance: 8 to 100 m
- 2, Protecting width: 14 m
4. Angle of beam adjusting range: -60 to +60
- 5, One fire alarm output: N.O. contact, 2A, 28VDC
- 6, One fault output: N.O. contact, 2A, 28VDC
- 7, Dependency angle of light beam orientation: $\pm 0.5^\circ$
- 8, Operating temperature: -10 to 50 oC
- 9, Relative humidity $\geq 95\%$
- 10, Dimension: 206 x 95 x 95 mm
- 11, Enclosure: ABS
- 12, Color: gray
- 13, Weight: 450g
- 14, Surface mounting hole spacing: 79 x 96 mm

Exclusive distributor

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