

CONVENTIONAL SMOKE DETECTOR

MODEL NO- C-SD01

The Conventional Smoke Detector is designed for seamless compatibility with all make conventional fire alarm control panels. This new-generation detector incorporates an intelligent microprocessor that enhances detection stability, improves environmental tolerance, and ensures reliable performance over long-term operation.

Upon detecting fire-related signals, the detector transmits alarm information to the fire alarm control panel, or an addressable zone monitor through a controlled change in current. During alarm condition, the built-in LED indicator remains continuously illuminated until the system is reset.

This detector is suitable for early detection of smoke in residential, commercial, and industrial environments such as houses, retail stores, hotels, warehouses, and similar premises.

This Series detectors require the SB01 base for proper installation and field connection. Maximum recommended mounting height for optimal performance is 5 meters.

KEY FEATURES:

- Sleek Low Profile Housing Design.
- Highly Reliable and reduce the false alarm.
- Easy Installation.
- Dual LED for 360°visibility.
- Blink green in normal condition and steady red in case of fire.
- Network Relay Output for RI.
- Infrared Photo electric sensor.
- Dustproof, anti-Light interference design.
- Low Standby Current.
- Compatible With All Make Conventional Fire Alarm and Zone Monitor Module.
- Bi-Color LED Status Indicator.
- **RI Blinking in case of normal mode for visual system assurance.**
- Installation Space 5 Mtr.





TECHNICAL SPECIFICATION:

Product Design	2 Wire
Operating Voltage	16-30 V DC
Standby Current	75 pA.
Current Consumption at Alarm Condition	25 mA
LED Indication	Present
Sensor	Photoelectric& thermistor
Quiescent Current	$\leq 75\mu\text{A}$
Blinking Cycle	12 sec.
Installation Method	Ceiling Mounted

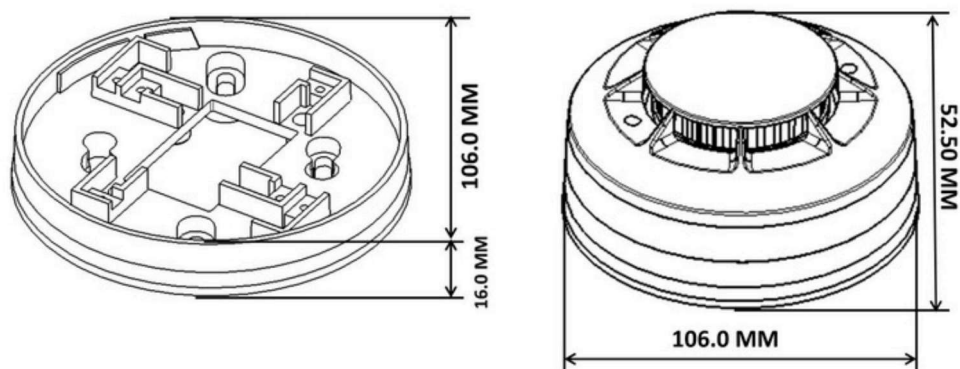
ENVIRONMENTAL INFORMATION:

Operating Temperature	0° C to + 65° C
Operating Humidity	5 to 95% Relative Humidity (noncondensing)

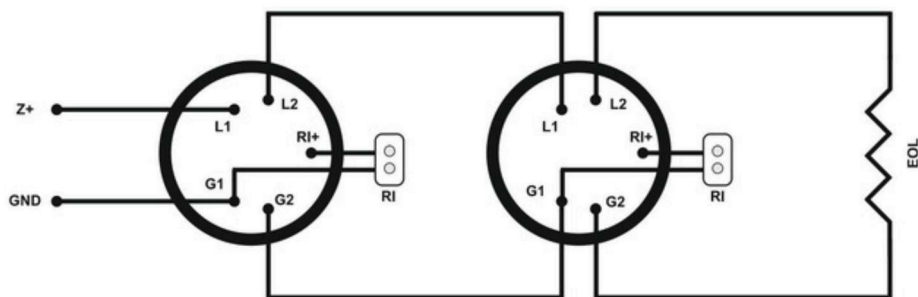
MECHANICAL SPECIFICATION:

Hight	52.4
Diameter	106 MM
Colour	White
Weight	150 gm
Housing	ABS/Polymer

MECHANICAL DESIGN:



WIRING DIAGRAMS:





WIRING GUIDLINES:

- All the wire installation must accord with National and local effective laws and criteria.
- All wires must have the suitable size and must have colour coding to avoid connection errors. And unsuitable connection will lead to alarm error when Fire happens.
- The product should not be installed in the extreme hot or cold, high wind speed surroundings and in the conditions where there is often a lot of smoke or dust.
- The detector needs to be tested every 2 months.
- The product can reduce the possibility of accidents, but it cannot guarantee absolute safety. Besides using this product correctly.
- The dust cover cannot be removed until the project has been plunged into usage. Otherwise, it can't alarm normally.
- Clean the detector at least once a year to ensure normal operation of the system.

ORDERING INFORMATION:

MODEL NO	PACK QTY.	DIMENSION IN MM	WEIGHT
C-SD01	1	106	150 gm

