

## SMOKE DETECTOR

Model No.: BT-SD700

### Product Overview:

The BT-SD700 is a high-performance photoelectric smoke detector designed for early detection of fire. Its advanced sensor technology quickly identifies even slight smoke particles, making it suitable for commercial, industrial, and residential applications. This model is compatible with all standard Conventional Fire Alarm Control Panels and is engineered for easy installation and reliable operation.

### Special Features:

- As per IS -2189 Standard.
- Advanced photoelectric smoke sensing technology
- Fast response to both smoldering and flaming fires
- Low power consumption
- Built-in LED alarm indicator
- Automatic drift compensation
- Chamber contamination detection
- Easy installation with twist-lock base
- Compatible with all conventional fire alarm panels
- High noise immunity
- Modular, maintenance-friendly construction

### Technical Specifications:

#### Operating Conditions:

- **Operating Temperature:** 0°C to 55°C
- **Storage Temperature:** -10°C to 60°C
- **Relative Humidity:** 0-95% RH (non-condensing)

#### Electrical Specifications:

- **Operating Voltage:** 9-33 VDC
- **Standby Current:** ≤ 60 μA
- **Alarm Current:** ≤ 80 mA (LED ON)
- **Smoke Sensitivity:** 2.1%/ft ± 0.5% obscuration
- **Alarm Indicator:** Red LED (latching)
- **Reset Method:** Power reset



### Mechanical Specifications:

- **Dimensions:** Ø100 mm × 50 mm (including base)
- **Weight:** Approx. 0.150 Kg (without Packaging)
- **Material:** ABS fire-retardant housing
- **Color:** White
- **Mounting Base:** 2-wire / 4-wire compatible
- **IP Rating:** Ip30

### Wiring Diagram:

