

## Series 700 Smoke Detector

MODEL: AS-701-SD

Photoelectric smoke detector detects the smoke by a couple of infrared diodes. The principle of detection is granule in the smoke can reflect infrared light. The infrared diodes are placed in the special chamber, the chamber reflects external light, but does not affect the smoke into it. While there is no smoke, the diode can receive very weak infrared light. When the smoke entering the chamber, diode can receive more and more light, and the detector can give out alarm signal when the smoke attains the certain density. In order to reduce the interference and lower power consumption, the emitting circuit adopts the pulse signal.

### Features

- Easy installation and maintenance
- Sleek low-profile housing design.
- Algorithm map for faster detection and discrimination
- Built-in Remote Indicator output
- LED for 360° visibility

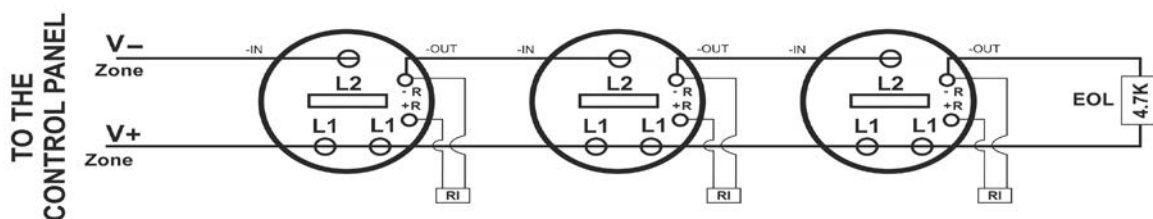
### Technical Specifications :

- Voltage range : **12-28 VDC**
- Alarm Current : **20-28mA**
- Quiescent : **100-120uA @ 24 Vdc**
- Fire LED. : **Red Color Countinues**
- Stand by LED. : **Green Color Every 10 Seconds**
- Operating Temp. : **0°C to +90°C**
- Humidity : **<95% RH**



- Wire : 2
- Sensor : Photoelectric
- Product size with Base : 105mm in diameter x 45mm depth

## Wiring Diagram:



## Notice:

1. The detector can not be installed under worse environment e.g. Coldest and dusty. Do not remove the dust proof cover until use the detector.
2. Make sure that there is no block within 0.5m form detector .
3. Keep the distance between detector and wall more than 0.5m.
4. Detector should be install Horizontally. If need, to be installed slantingly please keep the angle less than 45 degrees.
5. Make sure the distance between detectors be less than 3.5m. And the distance between detector and corner must be less than half of the one between detectors.
6. Detectors base be installed solid. Wire connection must be reliable.
7. Recommendations should be carried out every six months a simulated fire test, the detectors are working properly.
8. For various reason like change in environmental condition, electric disturbance and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and protection of his/her property.