

OSD-3230

CONVENTIONAL OPTICAL SMOKE DETECTOR

Optical Smoke Detector

OSD-3230 Conventional Optical Smoke Detector uses a unique smoke chamber perfected by engineers through long term fluid mechanics and optic refraction tests. Fire is detected by optical sensing technology. Detector has a series of algorithms developed to minimize faulty detections and to provide pollution warning. Smoke chamber can be easily removed for cleaning in case of possible pollutions in excessively dusty environments.



GENERAL SPECIFICATIONS

- EN54-7 Certified
- Detects smoke particles in the environment via Light Scatter principle and generates alarm
- 2 LED indicators enabling 360° view
- Two different colors of indication by LEDs to individually display error and alarm conditions (Blue/Red)
- Metallic cage and special protection circuit elements to increase EMC and LVD resistance and to prevent associated faulty alarms
- Special software algorithms to eliminate sudden dust, smoke, etc. external factors that may result in faulty alarms
- Metallic cage preventing entrance of bugs, flies and foreign objects into detector sensing chamber
- Advanced pollution algorithm that continuously measures pollution level and warning the user from detector and panel screen for stable and accurate operation
- Insert type contact structure eliminating non-contact problems
- Parallel indicator connection option
- Easy to clean smoke chamber
- Aesthetic and elegant design fits any environment
- Compatible with any brand of conventional fire panel

TECHNICAL SPECIFICATIONS

OSD-3230 Technical Specifications	
Standard	EN54-7
Operating Type	Optik
Detection Level	(~ 0,15db/m)
Device Type	A
Power	18V(min) – 30V(max)
Average Consumption	30uA (@24V)
Alarm Consumption	50mA @24V (Limited with 470 Ohm)
Indicator Current	10mA @24V (Limited with 2K20hm)
Starting Time	15 sec.
Weight (Include Base / Not)	183/125gr.
Dimensions (mm)	Ø110, h42
Body Material and Color	ABS Plastic – White
Cable Type	0.4mm ² ~ 1.5mm ²
Alarm Indicator LED	RED
Status LED	Blue
Operating Temperature	-10°C ~ 55°C
Humidity	95% RH
Protection Class	IP30

