

# 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.

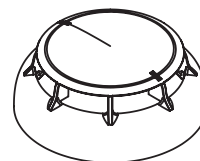
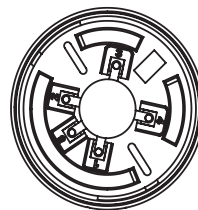


## GENERAL SPECIFICATIONS

- 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 <sup>2</sup> ~ 1.5mm <sup>2</sup>
Alarm Indicator LED	RED
Status LED	Blue
Operating Temperature	-10°C ~ 55°C
Humidity	95% RH
Protection Class	IP30



## Honeywell Fire

Emaar Business Park, Sheikh  
Zayed Road Building No. 2, 2nd  
Floor, 201. PO. Box 232362  
Dubai, United Arab Emirates  
Tel: +971 44541704

**For more information**  
[www.honeywell.com](http://www.honeywell.com)

© 2020 Honeywell International Inc.

**Honeywell**