

PHOTOELECTRIC SMOKE DETECTOR

08 8321

FEATURES

- Electronic circuit mainly use ONECHIP HYBRID IC and SMT technology
- Low Profile Design and Low Power Consumption
- High Precision and Stability
- Transmitter projects Beam signal every 3 seconds to check presence of smoke
- Stainless steel Insect Guard to prevent invasion by insects
- CE approved

CE
EN54



Description

The Progard conventional photoelectric smoke detector is a non-addressable detector that will detect smoke from a fire and sounds an alarm. The detector is designed to detect smoldering fires more quickly than other technologies, often the clear choice for commercial environments where smoldering fires are a threat - generally anywhere fast burning fuels are not used. Accounting for the largest percentage of all commercial detectors used, these detectors are suitable for use in office buildings, restaurants, banks, libraries, computer rooms and switch rooms, etc.

The detector adopts the latest scattering technology and photoelectric components for reliability. Basically the photoelectric sensor technology relies on an electric current that produces a beam of light. When this beam of light is interrupted, an alarm sounds. Under normal smoke-free conditions, the LED beam moves in a straight line, through the chamber without striking the photo cell. When smoke enters the chamber, smoke particles deflect some of the light rays, scattering them in all directions. Some of it reaches the photocell and when enough light rays hit the photocell, they activate the detector and generates a current. The current powers the alarm. The detector comes with a standard 4" mounting base.

Technical Specifications

Type	2-wire	4-wire
Operating Sensitivity	Not Applicable	0.8A @ 30 vdc
Operating Sensitivity	Comply to UL268, EN54 and CNS	
Operating Current	24 VDC under 30mA	
Monitoring Current	Under 30 μ A	
Ambient Temperature	-10° C to +55°C	
Relative Humidity	10 to 95%	
Materials of Construction	Fire-proof plastic	
Dimensions	110mm (diameter) x 50mm (height)	
Weight	approximately 170 grams	
Colour	White	

Effective Alert Area

Building Height	Under 4 metres	4 to 20 metres
Area Covered	150 m2	75 m2