12 V Optical Smoke Detector

Art.-Nr. RM1000

The 12 V optical smoke detector reacts to visible smoke particles. If too much smoke enters its measuring chamber, an alarm is triggered. In the measuring chamber, an integrated infrared light source generates a light pulse every 8 seconds. Smoke particles from a fire change the light signal received by the light diode. A relay trips and the alarm center reports a fire alarm. The 12 V optical smoke detector is mounted on the ceiling in the center of the room. The minimum distance to the side wall should be 30cm. We recommend a separate smoke detector for each entrance area, staircase, living-room, and bedroom. By changing a jumper, you can configure the optical smoke detector as NO or as NC detector. It is therefore suitable for every wired alarm system. The smoke detector is supplied externally with 12V operating voltage and is EN54 certified.

Technologies

- Suitable for connecting to alarm and fire detection systems
- Detects visible smoke particles
- Self-adjusting
- Potential-free alarm relay

Technical data - 12 V Optical Smoke Detector

Certifications	EN 54-7
Colour	white
Compatible with	Secoris, Secvest, Terxon
Connections	Screw terminal NO or NC, 1A at 30V DC
Current consumption	35 mA
DC power supply	10 - 15 V
Detection method	Optical
Diameter	100 mm
Dimensions	(HxD) 46x100 mm
Height	46 mm
Housing material	ABS

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Length	100 mm
Max. Air humidity	95 %
Max. Operating temperature	50 °C
Mechanical protection	No
Mounting location	Ceiling
Net weight	0.15 kg
PSTI conformity needed	No
Power consumption	0.368 W
Product group	Detectors
Radio networked	No
Sensor type	Photodiode
Standalone	No
Status display	Yes
Type of protection	Fire protection
VdS class	without
VdS recognized	No
Voltage monitoring	No
WEEE group	09
width	100 mm

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