



Technical Data

Mains Optical Smoke Alarm

Brief product description:

The BG mains powered optical smoke alarms is ideal for detecting smoke from smouldering fires whilst minimising false alarms.

This alarm can be interconnected with the wider range of BG interconnected alarms for complete coverage.

Features:

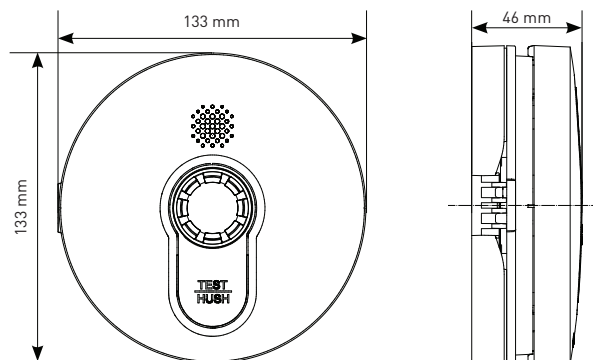
- Hardwired optical smoke alarm wires directly in to your home electric system
- Constant monitoring of the air for the presence of smoke
- Interconnecting: connect up to 24 heat and smoke alarms, or up to 12 alarms when including a CO alarm
- Dust cover (included) prevents contamination of the device during installation
- 9V battery back up ensures the alarm will operate if mains power is lost
- Hush function allows the alarm to be temporarily silenced
- Test function, fault and low battery warnings to assist with alarm maintenance

Product Images



SDM0A

Line Diagrams



Safety Warning

All interconnected alarms must be on the same circuit.

A common Neutral must be used for the interconnection to function

DO NOT connect the interconnected wires to Live or Neutral

DO NOT connect these Alarms to any other model produced by another manufacturer. Doing so may damage the Alarms and could result in a shock or fire hazard

Wiring should be in accordance with the latest edition of the IET regulations (BS 7671)



Mains Optical Smoke Alarm

Technical Specifications

Standard(s)	BS EN14604:2005/AC:2008
Classification	Class 2
Mains Power	220-240V~50Hz, 60mA
Battery Backup	9V DC
Capacity	20-40m ²
Alarm Volume	85dB(A) at 3m
Operating Temperature	0°C to 40°C
Ambient Humidity	5~95%
Alarm Sensitivity	0.100-0.17 dB/m
Sound Pattern	ISO8201(BI 0.5s - pause 0.5s - BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with the RED LED flashing, repeat this alarm pattern)
Interconnecting	Connect up to 24 heat and smoke alarms, or up to 12 alarms when including a CO alarm
Mounting Position	Ceiling (distance from side wall should be over 50cm) Wall (min 10cm - max 30.5cm from ceiling)
Wiring	Use a minimum of 1.5mm ² 250V insulated wire for all wiring, including interconnecting wiring
Max Wiring Length	150m between first and last alarm
Product Lifetime	10 Years
RoHS Directive	Yes
WEEE Directive	Yes



Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
SDMOA	Mains Optical Smoke Alarm	Colour Box	Carton	Carton	1	6	48	5015056531885	5015056531939	5015056531984

Weights & Dimensions

Cat No.	Description	Dimensions (H x W x D) cm				Weight (kg)				CBM (m ³)
		Unpacked Product	Packed Product	Inner Box	Outer Box	Unpacked Product	Packed Product	Inner Carton	Outer Box	Outer Box
SDMOA	Mains Optical Smoke Alarm	13.3 x 13.3 x 4.6	14.5 x 5.5 x 14.5	30 x 8 x 16	62 x 38 x 34.5	0.275	0.327	2.30	20	0.08128