



# Technical Data

## Mains CO Alarm

### Brief product description:

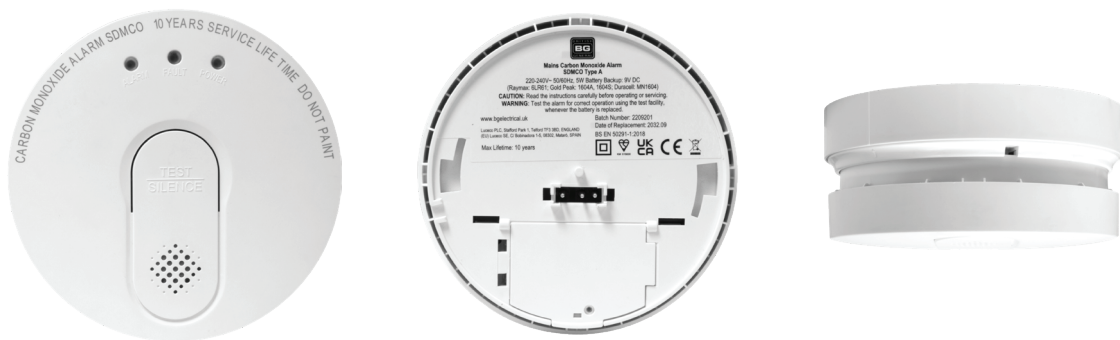
The BG mains powered CO alarm is designed to detect carbon monoxide gas from any source of combustion, and will alert you when it detects dangerous levels of CO in the air.

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

### Features:

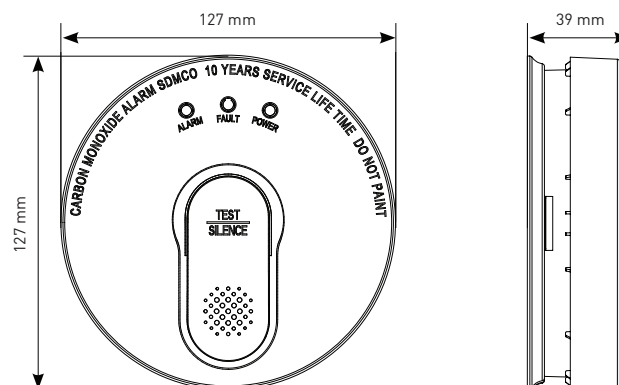
- Hardwired CO alarm wires directly in to your home electric system
- Interconnecting: connect up to 12 alarms
- Dust cover (included) prevents contamination of the device during installation
- 9V battery back up ensures the alarm will operate if mains power is lost
- Hush function allows the alarm to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

### Product Images



SDMCO

### 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 CO Alarm

## Technical Specifications

Standard(s)	BS EN 50291-1:2018
Classification	Type A
Mains Power	220-240V~50/60Hz, 5W
Battery Backup	9V DC
CO Sensor	Electrochemical
Capacity	20-40m <sup>2</sup>
Alarm Volume	85dB(A) at 3m
Operating Ambient Condition	-10~+55°C, 10~95%RH non-condensing
Storage/Transport Ambient Condition	-20~+55°C, 10~95% RH non-condensing
Operating Temperature	0°C to 40°C
Ambient Humidity	5~95%
CO alarm sensitivity setting	30PPM Without alarm before 120 minutes 50PPM Between 60 to 90 minutes 100PPM Between 10 to 40 minutes 300PPM Less than 3 minutes
Interconnecting	Connect up to 24 heat and smoke alarms, or up to 12 alarms when including a CO alarm
Mounting Position	Mount on a ceiling and 1-3m away from all fuel burning appliances
Wiring	Use a minimum of 1.5mm <sup>2</sup> 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
SDMCO	Mains CO Alarm	Colour Box	Carton	Carton	1	6	48	5015056531915	5015056531960	5015056532011

## Weights & Dimensions

Cat No.	Description	Dimensions (H x W x D) cm				Weight (kg)				CBM (m <sup>3</sup> )
		Unpacked Product	Packed Product	Inner Box	Outer Box	Unpacked Product	Packed Product	Inner Carton	Outer Box	Outer Box
SDMCO	Mains CO Alarm	12.7 x 12.7 x 3.9	14 x 8 x 14	29 x 25.5 x 15.5	60 x 53 x 33.5	0.3	0.35	2.50	22	0.10653