

OG20

Mains Photoelectric Smoke Alarm

Mains-powered optical smoke alarm that can be interconnected with up to 18 other mains alarms, be they ionisation, photoelectric or heat. Once interconnected, the detection of the relevant danger by an individual unit will sound across all the connected alarms.



KEY FEATURES

- Interconnectable with up to 18 hard-wired alarms
- all alarms sound if danger is detected
- Alarm memory - identifies source unit within interconnecting network
- Reduced energy consumption - lower lifetime running costs
- Dust compensation and bug screen - reduces nuisance alarms
- Combined Hush/Test button allows regular testing of alarm function and can be used to temporarily silence nuisance alarms
- Auto reset after activation
- Tamper-resistant locking device prevents unauthorised removal without the use of a tool
- Mains operation - 9V Alkaline back-up battery supplied as standard

WHERE TO USE

Photoelectric alarms are for use in escape or circulation routes and in areas where there is a danger of ignition of furniture and surroundings producing slow, smouldering fires. This mains-powered unit should be installed by a qualified electrician and can be used throughout the home, except in the kitchen where a Heat Alarm is recommended. These alarms comply with AS 3786:2014 standards.

GENERAL FEATURES

Model	OG20
Power Supply	240V mains-powered with 9V Alkaline battery back-up
Temperature Range	0°C to + 40°C
Humidity Range	Up to 93% Relative Humidity (RH) non-condensing
Storage and Transport	-20°C to +60°C and 5-95% relative humidity (RH) non-condensing
Alarm Dimensions	127 x 127 x 39mm
Bracket Dimensions	133 x 133 x 6mm
Alarm Weight	242g
Warranty	10 years
Approvals	AS 3786:2014



AS 3786:2014

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POWER SOURCE 240V Mains
SENSOR TYPE Photoelectric

TECHNICAL SPECIFICATIONS

Sensor	Photoelectric, circular lateral chamber with insect-resistant width, 9-slot entry portals
Chamber Size	35mm outside diameter x 16mm depth approximate (external)
Detection Band	Infrared light wavelength
Button Test	Simulates the effect of smoke within the sensing chamber, checks electronics and sounder
Automatic Self-test	Circuitry is tested and unit beeps (chirps) if fault is detected
Supply Voltage	240V AC, 50 Hz
Power Consumption	< 15mA
Connection	Push-in/snap-fit type connector with 150mm long flying leads (supplied)
Battery Back-up	User replaceable alkaline 9V battery (522/6LR61)
Power-on Indicator	Continuous green LED
Alarm Sounder	Electronic piezo-electric sounder (T3 pattern sound - three pulses - space - three pulses) with soldered contacts
Sound Output	85 dB (A) minimum at 3 metres
Alarm Frequency	3.2 kHz typical
Dust Protection	In-built foam gasket in rear of alarm to prevent dust ingress into rear of the alarm
Alarm Status	Red LED flashes approx once every five minutes = normal operation Red LED flashes once a second = sensing smoke (sounder alarm sounds) Red LED flashes once every ten seconds = in hush condition (auto-reset after 10 minutes)
Interconnection	Up to 18 units (smoke and heat) can be hardwire interconnected
Fixing	Mounting bracket ring supplied with two 'T' slot fitting option 57mm spacing to a maximum of 90mm for standard screw fittings on back boxes Bracket has 50mm diameter central access hole for cabling
Plastics used	NORYL - Cover, main body and mounting bracket
Lead-Free Status	All mains alarms are lead-free

PACKAGED SPECIFICATIONS

Order Code	OG20	Case Quantity	6 alarms (per Inner Case)
Pack Dimensions	135 x 135 x 54mm		4 inner cases (per Outer)
Pack Weight	310g	Cases per Pallet	30 outer cases
UPC Barcode	9329849025441	Inner Case Dimensions	280W x 152H x 175Dmm

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