



# Technical Data

## Mains Ionisation Alarm

### Product Description

#### Description

The BG mains powered ionisation alarm detects fast-flaming fires before the smoke is too thick. This alarm can be interconnected with the wider BG smoke detectors for complete coverage. Complete with auto reset after activation.

#### Function

Constant monitoring of the air for the presence of smoke

#### Installation Location

Areas of fast flaming fires including living rooms and bedrooms.

#### Application

Indoor, 230V mains

#### Material

NORYL - cover, main body, bracket.  
All components are lead free

#### Operating Temperature

0°C to +40°C

#### Standard

BSI certified to BS EN14604:2005

### Product Images



SDMIA

### Technical Specification

	SDMIA
Sensor	Ionisation, circular metal chamber with 24-slot entry portals
Source	Americium 241 (<1.0 microcurie, 37 kBq)
Button Test	Simulated the effect of smoke within the sensing chamber, checks electronics and sounder
Automatic self-test	Circuitry is tested and unit beeps if fault is detected
Audible Alarm	85 dB at 3 metre
Alarm Status	Red LED flashes once every five minutes indicates normal operation
	Red LED flashes once a second indicates smoke has been sensed and the alarm sounds
	Red LED flashes once every ten seconds indicates hush conditions (auto-reset after 15 minutes)
	Green LED permanently on indicates mains power
Alarm Sounder	Electronic piezo-electric sounder (T3 pattern sound - three pulses - space - three pulses)
Supply Voltage	230V AC, 50Hz
Power Consumption	< 15mA
Connection & Wiring	Push in type connector with 150mm long flying leads (supplied)
Battery Back Up	User replaceable alkaline 9V battery
Humidity Range	Up to 93% relative humidity (RH) non-condensing
Alarm Dimensions	133 x 133 x 6mm
Alarm Weight	231g
Warranty	6 years
Power on indicator	Continuous green LED
Optional Patress	SDPA Surface Patress available if required