

International Safety Technology Limited



IONISATION SMOKE ALARMS: BATTERY

APPLICATION:

BRK Brands is the world's leading manufacturer of domestic fire safety products. All BRK Brands alarms are manufactured to the highest quality, undergoing over 50 on-line quality control tests and are certified to BS5446 Pt1, 2000.

The 83 series has a compact design and low profile styling, combined with a hinged cover design for easy battery replacement and cleaning.

A flashing LED provides constant reassurance that the battery is properly connected and supplying power. Typical battery life with a 9v battery is approximately 1 year; a low battery alert will sound audibly for 30 days to indicate battery replacement is required.

Up to 12 83RIECN alarms can be interconnected.

While all smoke alarms are designed to detect smoke, certain sensing technologies react differently to certain types of fire.

Photoelectric sensing technology is generally more sensitive (than ionisation sensing technology) at detecting large particles. Large particles tend to be produced in greater amounts by smouldering fires. These fires may smoulder for hours before bursting into flames.

Ionisation sensing technology is generally more sensitive (than photoelectric sensing technology) at detecting small particles. Small particles tend to be produced in greater amounts by flaming fires. These fires consume combustible materials rapidly and spread quickly.

For optimum protection we recommend the use of both photoelectric and ionisation alarms on each level of a house.

83RECN & 83RIECN

9v BATTERY OPERATED SMOKE ALARM



83RECN is battery operated with a test button

TECHNICAL SPECIFICATION:

MODEL	83RECN	83RIECN
Type	Ionisation	Ionisation
Operating voltage	9v battery	9v battery
Temperature range	4°C-38°C	4°C-38°C
Humidity range	10%-90% RH	10%-90% RH
85dB alarm sounder	YES	YES
Test button	YES	YES
Missing battery indicator	YES	YES
Automatic reset	YES	YES
Low battery warning	YES	YES
LED light standby	Intermittent red	Intermittent red
LED light alarm	Rapid flashing red	Rapid flashing red
Interconnectable	NO	YES
Diameter	140mm	140mm
Weight	225g	225g
BS5446Pt1,2000	YES	YES
Product guarantee*	5 Years *excludes battery	5 Years *excludes battery

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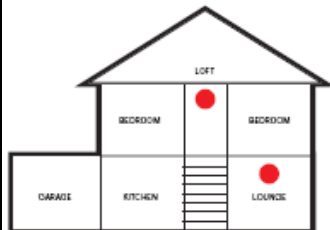
DESIGN AND INSTALLATION:

The 83 series is designed for easy installation. The 83RIECN is interconnectable with up to 12 additional 83RIECN smoke alarms.

ARCHITECTURAL AND ENGINEERING SPECIFICATION:

The 83 series incorporates the following features and functions:

- > Ionisation sensor technology.
- > Hinged cover will not close if battery is removed.
- > Durable battery connectors.
- > Visual LED to show power and fully operational unit.
- > Manual full check test button - circuit, horn, battery, sensor.
- > Manufactured and tested to meet BS5446 Pt1.2000 - kitemarked
- > All units are CE tested and certified.
- > Unit capable of operating between 4°C and 38°C within a relative humidity of 10% and 90%.
- > For optimum protection, the alarm should be ceiling mounted. (Wall mounting should only be used in accordance with directions in the instruction manual).



● Minimum recommended locations for installing smoke alarms

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