

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 86 series of smoke alarms is a field proven design. Millions of units have been installed with an excellent record of reliability.

The 86RACEN features an alkaline battery backup with low battery indicator and tamper-proof option. The 86RACHE10N features a sealed 10 year lithium battery back up with low battery status indicator and silence button.

Current building regulations require one mains powered alarm per level in each new build house. 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.

BRK's smoke and heat alarms can be fully integrated into BRK's Flexipoint mini-system.

86RACEN & 86RACHE10N**MAINS POWERED SMOKE ALARM WITH BATTERY BACK UP**

86RACEN is mains operated with battery back up in case of mains failure.



86RACHE10N is mains operated with a tamper-proof 10-year life lithium battery back up, alleviating the risk of battery removal.

INFORMATION & ORDER HOTLINE 01275 841403**SMOKE ALARMS • HEAT DETECTORS • CO ALARMS**



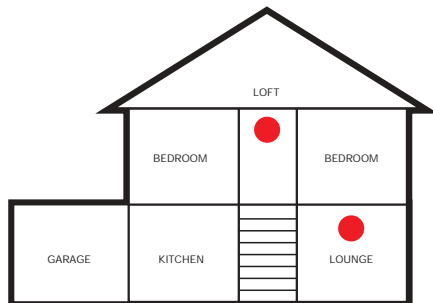
IONISATION SMOKE ALARMS: MAINS 230V

DESIGN AND INSTALLATION:

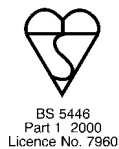
The 86 series is designed for easy installation. Surface mounting pattresses are available separately for both models, and mains power connection is made via a 'quick connect' wiring harness.

BRK's surface mounting pattresses (SMK839) are recommended in retrofit installations or where surface cabling is used. This enables full compliance with BS7671(1992) Regulations and current IEE (Institute of Electrical Engineers) Regulations.

All models are interconnectable with up to 12 additional BRK smoke alarms and 6 heat alarms plus call points. If remote signalling is required, a relay version of the surface mounting pattress (SMK839RCB) should be used. This has volt free contacts and is installed in a similar way to the standard pattress.



● Minimum recommended locations for installing smoke alarms



BSI Registered Firm—Certificate #FM21268

86RACEN & 86RACHE10N

MAINS POWERED SMOKE ALARM WITH BATTERY BACK UP

TECHNICAL SPECIFICATION:

MODEL	86RACEN	86RACHE10N
Type	Ionisation	Ionisation
Operating voltage	230v AC	230v AC
Power – standby/alarm	0.030A amps	0.030A amps
Battery back up	9v alkaline	9v lithium
Typical battery life (as backup)	3 – 4 years	10 years guaranteed
Tamper-proof option – alarm	YES	YES
Sealed battery	NO	YES
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
Silence button	NO	YES
Missing battery indicator	YES	Sealed unit
Automatic reset	YES	YES
Low battery warning	YES – 30 day	YES – 30 day
LED light standby	Green constant	Green constant
LED light alarm	Rapid flashing red	Rapid flashing red
Interconnectable	YES	YES
Diameter	140mm	140mm
Weight	250g	250g
BS5839Pt6	Grade D	Grade D
Pattress	SMK839/SMK839RCB	SMK839/SMK839RCB
Product guarantee*	5 Years *(excludes battery)	10 Years

ARCHITECTURAL AND ENGINEERING SPECIFICATION:

The 86RACEN and 86RACHE10N incorporate the following features and functions:

- > Ionisation sensor technology.
- > Tamper-proof or sealed battery compartment prevents deactivation.
- > Visual LED to show power and fully operational unit.
- > Manual full check test button - circuit, horn, battery, sensor.
- > Silence button (86RACHE10N) to quieten unwanted alarms.
- > 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).

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