

SMOKE ALARM

CAT. **83RN**



DUAL IONIZATION

Dual Ionization sensing chamber. Generally more effective at detecting small particles produced by flaming fires. Sources may include paper or kitchen grease.

HINGED COVER DESIGN

Fast and easy installation and battery replacement

LOW PROFILE STYLING

Complements any décor.

9V BATTERY INCLUDED

APPROVED FOR RV USE

BRK ELECTRONICS®

9V Battery Operated

Description:

The BRK Electronics® Cat. No. 83RN is a battery operated single station smoke alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. The 83RN is approved for RV use. Complies with UL217, CSFM, NFPA 72, HUD, FHA and other agencies that model their codes after the above agencies.

BRK Electronics® catalog number 83RN features a fully insect screened dual ionization smoke sensing chamber, an 85dB horn, a supervised 9V battery power supply, a full function test switch, a red LED light that indicates DC power or alarm. The compact, low profile design complements any décor. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the hinged cover. When voltage drops to a pre-set warning level, the 83RN's horn will "chirp" approximately once per minute to indicate a fresh battery is needed. To insure the battery is always replaced properly, the cover is designed to resist closing when the battery is missing. Designed for surface mounting, the 83RN includes mounting anchors and screws.



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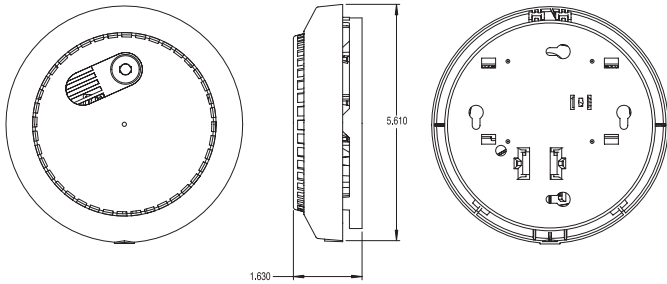
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B1 Registered Firm—Certificate #F921268



9V Battery Operated



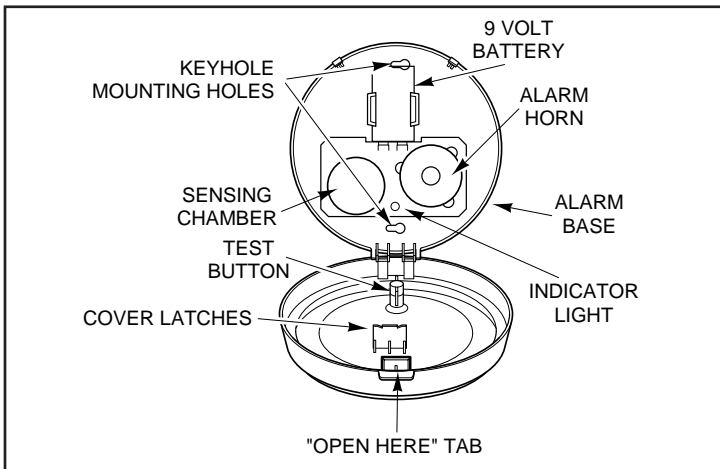
ARCHITECTURAL AND ENGINEERING SPECIFICATION :

1. An ionization sensing chamber with nominal sensitivity of 1.07%/ft.
2. The unit shall be capable of self restoring.
3. A fully screened sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms.
4. Powered by a supervised 9V battery and a solid state piezo horn rated at 85dB at 10 ft.
5. A visual LED power-on indicator to confirm unit is receiving power or is in alarm.
6. A full function test button. The test button should check all alarm functions by stimulating the chamber to simulate a smoke condition, causing the unit to alarm.
7. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
8. The unit shall contain mounting hardware and shall be listed for wall or ceiling mounting.
9. The unit shall at a minimum meet the requirements of UL217, CSFM, NFPA 72, NFPA 101, ICBO, BOCA, SBCCI and CABO.
10. The unit shall be suitable for use in Recreational Vehicles

INSTALLATION OF SMOKE ALARM

Installation of this smoke alarm must conform to NFPA 72. Always check your local building codes. Follow all instructions for placement as outlined in the user's manual in sections titled "Recommended Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms".

INSTALLATION DIAGRAM :



TECHNICAL SPECS :

Alarm Dimensions	5.61" dia x 1.63"H
Weight	6.4 oz
Operating Voltage	9V battery operated
Temperature Range	40°F (4°C) to 100°F (38°C)
Humidity Range	10% to 90% relative humidity (RH)
Audio Alarm	85dB at 10 feet
Test Button	Electronically simulates the smoke condition causing the unit to alarm
Alarm Reset	Automatic when smoke clears
Sensor	Dual chamber Ionization
Indicator LED	DC Power: Intermittent LED Local Alarm: Red LED flashes rapidly
Listing	UL 217

SHIPPING SPECS :

Individual Carton Dimensions	5.688"L x 1.688"W x 5.688"H
Weight	.41 lbs.
Cube	.032 ft³
UPC	0 29054 50400 5
Master Carton Dimensions	10.938"L X 6.000"W X 11.938"H
Master Pack	12
Weight	4.87 lbs.
Cube	.453 ft³
UPC	200 29054 50400 9
Pallet Information	
Cases per Layer	28
Number of Layers	3
Cases per Pallet	84
Cube	47.0 ft³
Weight	474.0 lbs.

Manufactured By:
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