

# NB707-A

## Tobacco Smoke Alarm



**NB707A tobacco smoke alarms** provide battery powered smoke detection and alarm functions within a single unit. The NB707A range of tobacco smoke detectors have been specially designed to respond to the characteristics of tobacco smoke. Advanced electronics in conjunction with a photoelectric smoke sensing chamber, and three user-selectable sensitivity settings provide early detection and immunity against unwanted alarms.

NB707A tobacco smoke alarms do not require a mains supply and are suitable for use in dormitories, toilets, transport applications and similar. The NB707A range of tobacco smoke alarms provide building owners with an economical tobacco smoke detector, and assist in monitor smoking within a building to comply with contemporary non-smoking regulations and policies.

### Key Features

- Photoelectric smoke sensing chamber technology
- Three user-selectable sensitivity settings
- Two user-selectable audible alarm signals
- Test button verifies battery and alarm operation
- 70 dB sounder to alert occupants
- Single DC 9 V user-replaceable battery provides up to 24 months operation under normal conditions
- 30 day low battery warning signal
- Interconnection function available on some models to connect up to 38 units together
- N/C or N/O alarm relay output available
- Remote installation LED indicator output available

### TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	DC 9 V Battery
ALARM RESPONSE THRESHOLD <sup>a</sup>	0.02 dB/m ~ 0.04 dB/m 0.04 dB/m ~ 0.06 dB/m 0.06 dB/m ~ 0.08 dB/m
ALARM INDICATOR	Slow mode: LED flash and beep every 3 s. Fast mode: LED flash and beep every 1 s.
AUDIBLE ALARM SOUNDER OUTPUT	≥ 70 dB @ 3 m
NUMBER OF INTERCONNECTED UNITS	38
ALARM RELAY <sup>b</sup>	SPST. N/O or N/C. 1.0 A @ DC 30 V / 0.5 A @ AC 125 V
OPERATING TEMPERATURE <sup>c</sup>	-4 °C ~ +38 °C
OPERATING HUMIDITY	0 % ~ 95 % RH, non-condensing
STORAGE HUMIDITY	-25 °C ~ +80 °C
DIMENSIONS	Ø 105 mm × 50 mm

<sup>a</sup> User Selectable

<sup>b</sup> For NB707A-C-RL model only.

ORDER CODE	Remote LED Output	Alarm Relay Output
NB707A-C-OL		
NB707A-C-RM	✓	
NB707A-C-RL		✓

