

Description

NB701 AC/DC gas alarms are mains powered combustible gas detectors that can be powered directly from the mains supply (with AC adaptor enclosed) or from a DC 12/24 V supply (such as a security system).

Advanced electronics in conjunction with a catalytic gas sensor provide accurate early detection of natural gas or propane gas and high immunity against unwanted alarms.

The NB701 range of gas alarms provide home owners and installers with an easy-to-install, economical solution for life safety and property protection applications.

Features

The NB701 gas alarms include a wide range of standard and optional features to suit many applications.

- Advanced algorithms provide advanced detection discrimination
- Highly accurate detection of LNG and LPG
- Stable gas sensing chamber. No adjustment or replacement required
- High immunity against unwanted alarms
- Dual function action button to temporarily silence unwanted alarms (Hush), and to verify battery and alarm operation (Test)
- Low power consumption
- N/C or N/O alarm and trouble relay output models available
- DC12V/24V applicable without adjustment
- Optional 110V/220V AC adaptor interface available
- Loud alarm sounder output > 85dB @ 3m
- Product trouble alert
- 5-year End-of-life alert
- Separate indicators for Power, Alarm and Service
- Easy installation. No programming required
- Low maintenance

Approvals

NB701 gas alarms are process to obtain following approvals:

	UL 2075 ^a	UL 1484 ^b
NB701-NR2-U	✓	--
NB701-NR-U	✓	--
NB701-N-U	✓	--
NB701-GR2-U	✓	--
NB701-GR-U	✓	--
NB701-G-U	✓	--
NB701-NR2-AU	--	✓
NB701-NR-AU	--	✓
NB701-N-AU	--	✓
NB701-GR2-AU	--	✓
NB701-GR-AU	--	✓
NB701-G-AU	--	✓

^a UL 1484 Residential gas detectors

^b UL 2075 Gas and Vapor detectors and sensors



NB701 AC/DC Gas Alarm

Specifications

Power source	DC 12-28V(w/o Adapter) / AC120V~240V (with Adapte	
Quiescent current	residential	max 43 mA @ DC 12 max 25 mA @ DC 24
	conventional	max 73 mA @ DC 12 max 53 mA @ DC 24
Alarm current (max)	residential	max 80 mA @ DC 12 max 60 mA @ DC 24
	conventional	max 110 mA @ DC 12 V max 90 mA @ DC 24
Sensing cell	Catalytic bead sensor	
Alarm response thresho	<25%LEL	
Alarm & Trouble relay outputs	Alarm1: form A (N/O), Alarm2: form A (N/O) or B (N/C) adjustable Trouble (If have): form A (N/O) or B (N/C) adjustable All contacts: 1.0 A @ DC 30 V / 0.5 A @ AC 125 V	
Operating temperature	0 °C ~ +50°C	
Operating humidity	15 % ~ 90 % RH, non-condensing	
Alarm sounder output	≥ 85 dB @ 3 m	
Life expectancy	5 y	
Dimensions (diameter × h))	Φ102mm×40.5mm	

Accessories

The following accessories are compatible with NB701 Gas alarm.

SKU	Description
NB701-FB	NB701 Flush mount base

Ordering information

	Propane Gas Detection	Natural Gas Detection	AC 110/220 V Operating Voltage	DC 12/24 V Operating Voltage	Alarm Relay Output	Trouble Relay Output
NB701-GR2-U	✓	✓	—	✓	✓	✓
NB701-GR-U	✓	✓	—	✓	✓	—
NB701-G-U	✓	✓	—	✓	—	—
NB701-NR2-U	—	✓	—	✓	✓	✓
NB701-NR-U	—	✓	—	✓	✓	—
NB701-N-U	—	✓	—	✓	—	—
NB701-GR2-AU	✓	✓	✓	—	✓	✓
NB701-GR-AU	✓	✓	✓	—	✓	—
NB701-G-AU	✓	✓	✓	—	—	—
NB701-NR2-AU	—	✓	✓	—	✓	✓
NB701-NR-AU	—	✓	✓	—	✓	—
NB701-N-AU	—	✓	✓	—	—	—

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