

NB701

AC/DC Gas Alarm



UL 1484
UL 2075

NB701 AC/DC Catalytic 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.

Key Features

- 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 operation without adjustment
- Optional 110V/220V AC adaptor interface available
- Loud alarm sounder output > 85dB @ 3m
- Detector trouble alert
- 5-year End-of-life alert
- Separate indicators for Power, Alarm and Service
- Easy installation. No programming required. Low maintenance

TECHNICAL SPECIFICATIONS

POWER SOURCE	DC 12-28V (w/o Adapter) / AC120V~240V (with Adapter)
QUIESCENT CURRENT	Residential max 43 mA @ DC 12 V max 25 mA @ DC 24 V
	Conventional max 73 mA @ DC 12 V max 53 mA @ DC 24 V
ALARM CURRENT (MAX)	Residential max 80 mA @ DC 12 V max 60 mA @ DC 24 V
	Conventional max 110 mA @ DC 12 V max 90 mA @ DC 24 V
SENSING CELL	Catalytic bead sensor
ALARM RESPONSE THRESHOLD	<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 Years
DIMENSIONS	∅ 102 mm × 40,5 mm



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ORDER CODE	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		✓	✓			

NB701-FB NB701 Flush mount base

APPROVALS	UL 2075 a)	UL1484 b)
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		✓

a) UL 2075 Gas Vapor Detectors and Sensors

b) UL 1484 Residential Gas Detectors