



Comply to
UL 2075



NB702 CO

Conventional CO Alarm

NB702 Electro-chemical CO gas detector for 4-wire systems are powered from a DC 12 V or DC 24 V power supply (such as from a security system) and alert building occupants to hazardous levels of carbon monoxide gas.

Advanced electronics, in conjunction with an electrochemical gas sensor, provides early detection of dangerous levels of carbon monoxide gas with a high degree of immunity against unwanted alarms. The NB702 CO gas detectors provide home owners and installers with an easy-to-install, premium solution for life safety applications.

Key Features

- Advanced algorithms provide advanced detection discrimination
- Attractive housing design
- Stable gas sensing chamber, with automatic sensor adjustment
- High immunity against unwanted alarms
- Loud 85 dB internal alarm sounder
- Dual function action button to temporarily silence unwanted alarms (Hush) and to verify alarm operation (Test)
- Surface-mount device (SMD) circuit board design. Low power consumption
- Visual and audible indicator for Normal, Alarm, Service and End-of-life
- DC 12/24 V operation is ideal for connection to 4-wire security systems
- Easy installation. No programming required. Low maintenance
- 10-year end-of-life factory-programmable timer alerts owner to replace the unit

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	DC 10 V ~ DC 32 V
SENSING CELL	Electro-chemical
QUIESCENT CURRENT	20 mA @ DC 12 V / 12 mA @ DC 24 V
TEST ALARM CURRENT (MAX)	55 mA @ DC 12 V / 30 mA @ DC 24 V
ALARM RESPONSE THRESHOLD ^A	60 µL/L for 60 min ~ 240 min 150 µL/L for 10 min ~ 50 min 400 µL/L for 4 min ~ 15 min
START-UP INDICATOR	Red and green indicator light for 60 s
NORMAL CONDITION VISUAL INDICATOR	Green LED flashes once every 60 s
ALARM CONDITION INDICATOR	Red indicator steady on, and 4 audible beeps followed by 6 s pause
END-OF-LIFE CONDITION INDICATOR	Red indicator with 2 flashes every 60 s, and 2 audible beeps every 60 s
SOUNDER OUTPUT	≥ 85 dB @ 3 m
ALARM AND FAULT RELAY	DPDT. N/O or N/C. 1.0 A @ DC 30 V / 0.5 A @ AC 125 V
OPERATING / STORAGE TEMPERATURE	0 °C ~ +40 °C / -25 °C ~ +80 °C
OPERATING / STORAGE HUMIDITY	15% - 90% / 0% - 98 % RH, non-condensing
DIMENSIONS	Ø 102 mm × 52 mm
INGRESS PROTECTION RATING	IP-23

^A Complies with UL 2034.

ORDER CODE	DC 12/24 V Operating Voltage	Alarm Relay Output	Trouble Relay Output
NB702CO-R2		✓	✓
NB701-FB		NB701 Flush mount base	