



Key Features

- Microprocessor Controlled
- Electrochemical Sensor
- Factory Calibrated
- Static Discharge Protection
- Power Loss Fail-Safe
- Low and High Alert Levels
- Temperature and Humidity Compensation
- Selectable Low Level Setpoint
- Adjustable Alert Time Delay
- 4-20 mA, 0-1 VDC, 0-5 VDC, or 0-10 VDC Output
- ETL Listed

Save Time. Save Money. Save Lives.

The Brasch Environmental Technologies GSE-NCM combines nitrogen dioxide (NO₂) and carbon monoxide (CO) detection into a single energy saving unit. Diesel engine exhaust is a common producer of NO₂ while gasoline engine exhaust is a common producer of CO. Brasch Environmental Technologies Combination Detectors utilize a dual sensor system that monitors both harmful gases.

Each detector has an easy to read digital display that continuously oscillates between NO₂ and CO concentration readings. As target gas levels increase, contacts actuate ventilation equipment and an audible internal alarm will activate if levels continue to rise. Since ventilation equipment is only required when levels are elevated, energy costs for HVAC operation are significantly reduced.

All Brasch Environmental Technologies Combination Detectors accept two sensor inputs and may be provided with both signals integral (local), one integral and one remote, or both remote. When a remote signal is desired, the detector is provided with Brasch Environmental Technologies Remote Transmitter(s) as required.

Typical Applications

- Car, Truck, and Bus Parking Garages
- Postal/Parcel Facilities
- Loading Areas
- Warehouses and Factories
- Firehouses

Benefits

- Low Cost
- Easy Installation
- Intuitive Display
- Combined Monitoring
- 2-year Sensor Life



- 1) Red, Yellow, and Green LEDs indicate device status
- 2) 4-Digit LCD displays gas concentration for visual confirmation
- 3) Self-test button lets users check for proper operation
- 4) Top-mounted vent port ensures quick response to gas build-up



Model #	Voltage	Sensor 1	Sensor 2
GSE-NCM-LL0	24 V	local	local
GSE-NCM-RR0	24 V	remote	remote
GSE-NCM-LR0	24 V	local	remote
GSE-NCM-RL0	24 V	remote	local
GSE-NCM-LL1	120 V	local	local
GSE-NCM-RR1	120 V	remote	remote
GSE-NCM-LR1	120 V	local	remote
GSE-NCM-RL1	120 V	remote	local

Specifications

Input Power (specified by customer in order)

120 VAC Input Voltage,
50/60 Hz, 0.125 Amps

24 VAC Input Voltage,
50/60 Hz, 0.500 Amps

Installation Category

II (local level, over-voltage transients < 500 V)

Operating Temperature

Storage:

-50°C to 120°C (-58°F to 248°F)

Operating:

-15°C to 40°C (5°F to 104°F)

Humidity

10% to 90% (non-condensing)

Ventilation Control Relays

125 VAC, 50/60 Hz, 5 A Resistive,
250 VA Inductive, 1/8 HP motor

Internal Alarm

106 dB @ 3.7 kHz, piezoelectric element

Selectable Fan Settings

2-speed motor fans
2 individual fans

Alert Levels

7 field selectable choices

Delay Times

0 to 7 minutes, both entrance and exit

Dimensions

9.44" x 6.29" x 3.54" (W x H x D)
24 cm x 16 cm x 9 cm (W x H x D)

Weight

3 lbs (1.4 kg)

Housing

Gray, NEMA 1, polycarbonate

Agency Acceptance

ETL listed to UL 61010B-1
CSA C22.2 No. 1010.1

