



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.

Brasch Environmental Technologies Nitrogen Dioxide (NO₂) Detectors save energy costs by controlling ventilation equipment in areas where high concentrations of NO₂ may present serious health problems. Various building and occupancy codes require that ventilation fans run 100% of the time in enclosed areas, such as parking garages, unless an NO₂ monitoring system is installed.

The Brasch Environmental Technologies Nitrogen Dioxide Detector has an easy to read digital display that continuously indicates ambient NO₂ concentrations. As nitrogen dioxide levels increase, contacts actuate ventilation equipment and an audible internal alarm will activate if NO₂ levels continue to rise. Since ventilation equipment is only required when NO₂ levels are elevated, energy costs for HVAC operation are significantly reduced.

The Brasch Environmental Technologies Nitrogen Dioxide Detector has the capacity to accept either one or two sensor inputs. Both signals may be remote, provided through the use of Brasch Environmental Technologies Nitrogen Dioxide Transmitter(s) or one may be integral (local), with or without a remote transmitter attached.

Typical Applications

- Commercial Parking Garages
- Condominium and Apartment Garages
- Tunnels
- Car and Bus Maintenance Garages
- Warehouses and Factories
- Auto Service Centers

Benefits

- Low Cost
- Easy Installation
- Intuitive Display
- 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-ND-L0	24 V	local	
GSE-ND-R0	24 V	remote	
GSE-ND-L1	120 V	local	
GSE-ND-R1	120 V	remote	
GSE-ND-LR0	24 V	local	remote
GSE-ND-RR0	24 V	remote	remote
GSE-ND-LR1	120 V	local	remote
GSE-ND-RR1	120 V	remote	remote

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

