

# CGSNO2PS Datasheet

## Nitrogen Dioxide ParkSafe Detector



24VDC Power Input



Used With The  
ParkSafe Controller



Traffic Light  
Indicator Display  
Changes Color  
Dependent On Gas  
Levels



BMS  
Communications



Modern & Compact  
Design



Up To 16 Detectors  
Can Be Linked Together



Plug & Play  
Installation

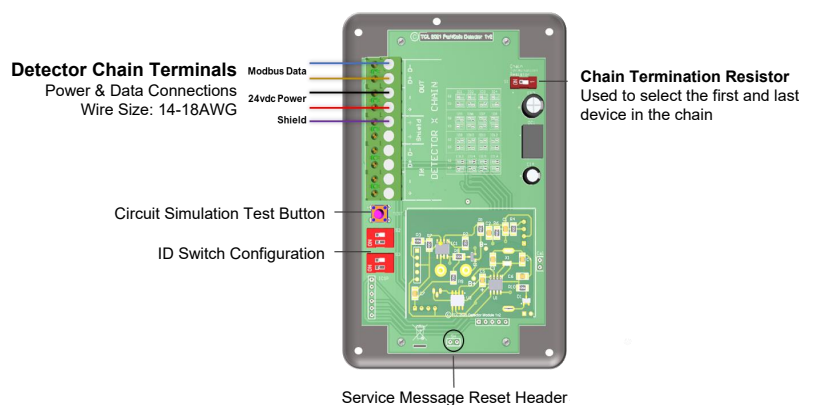


End of Operational Life  
& Annual Service  
Notifications to  
ParkSafe Controller

## Product Overview

The CGS PS range of detectors work in combination with the CGS ParkSafe, a Gas Detection & Ventilation Controller specifically designed for Parking Garage CO & NO2 monitoring. The CGSNO2PS features a electrochemical sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the units aesthetically pleasing and easy to install.

## Popular Applications



# Technical Specification

General							
Model:	ParkSafe Detector						
Gases:	Nitrogen Dioxide						
Size: (H x W x D)	4.92 x 3.15 x 1.38"						
Housing Material:	ABS						
Mounting:	Wall Mounting – No limits - Non-Hazardous Areas						
Weight:	1.6oz						
User Interface							
Display:	LED						
Visual Indicators:	Power / Alarm / Fault						
Audible Alarm:	None						
Power Supply							
Power Consumption:	15mA Max @ 24Vdc						
DC Power:	12-32Vdc (24vdc Nominal)						
Internal Fuse:	N/A						
Equipment							
Pollution Degree:	2						
Equipment Class:	2						
Environmental							
Ingress Protection:	Not Formally Evaluated						
Operating:	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% RH (non-condensing)						
Storage:	-25 ~ 50°C / -13~122F° up to 95% RH (non-condensing)						
Altitude Rating:	2000m						
Wiring							
Typical	Copper 18AWG (0.75mm <sup>2</sup> ) Min. 8x screw terminals.						
Other							
Communication	RS485 MODBUS RTU						
Sensor Specification							
Factory Calibration Conditions	25° ± 5°C - 77° ± 41°F (40-70% RH)						
Sensor Type	Electromechanical						
Gas Sensor	Measuring Range (ppm)	Calibration Gas	Response (T90)	Recovery (T10)	Alarm: 1 (Pre alarm warning)	Alarm: 2	*EOL (Years)
Nitrogen Dioxide (NO <sub>2</sub> )	0-20	5ppm NO <sub>2</sub>	<60s	<50s	▲0.7ppm	▲2ppm	3



## Area of coverage

Consider the coverage required and function of the area. Emphasis should be placed on airflow patterns and correct placement, not perceived detecting ranges.

The CGSNO2PS monitor should be installed approximately 4-5ft from the ground level.

Find out more

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