



Key Features:

- 24VDC Power Input
- LED Status Indication
- Modern & Compact Design
- Plug & Play Installation
- Used With An CGS ParkSafe Controller
- Up to 16 Detectors Can Be Linked Together
- End of Operational Life & Annual Service Notification to ParkSafe Controller

Product Overview:

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

Popular Applications:

- Emergency Service Stations (Apparatus Bays)
- Condominiums
- Shopping Malls
- Enclosed Parking Garages
- Hotels

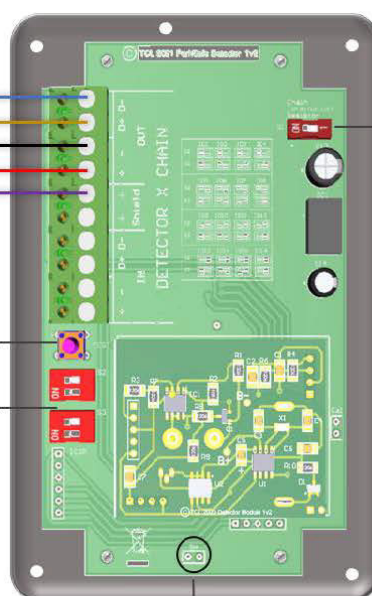
Detector Chain Terminals

Power & Data Connections
 Wire Size: 18-14AWG

Modbus Data
 24vdc Power
 Shield

Circuit Simulation Test Button

ID Switch Configuration



Chain Termination Resistor

Switch on first and last device in the chain.

Service Message Reset Header

Technical Specifications

General

Model:	CGSPS Detector
Target Gases Available:	Carbon Monoxide (CO) / Nitrogen Dioxide (NO2)
Size: (H x W x D)	4.92 x 3.15 x 1.38"
Housing Material:	ABS Polylac - PA765
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:	None

Equipment

Overvoltage Category:	2
Pollution Degree:	2

Environmental

Ingress Protection:	Not Formally Evaluated
Operating:	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% RH (non-condensing)
Storage:	-25 ~ 50°C / -13~122°F up to 95% RH (non-condensing)
Altitude Rating:	<6500ft

Wiring

Typical	Copper 18AWG (0.75mm2) Min. 8x screw terminals.
---------	---

Other

Communication	RS485 MODBUS RTU
---------------	------------------

Sensor Specifications

Factory Calibration Conditions	25° ± 5°C - 77° ± 41°F (40-70% RH)
Sensor Type	Electromechanical

Gas Sensor	Measuring Range (PPM)	Calibration Gas	Response (T90)	Response (T10)	Alarm: 1 (Pre Alarm Warning)	Alarm: 2	*EOL (Years)
Carbon Monoxide	0-1000ppm	120pm CO	<60s	<50s	<25ppm	<100ppm	5
Nitrogen Dioxide	0-20ppm	5pm NO2	<60s	<50s	<0.7ppm	<2ppm	3