

CGSCOiS-PSA

Datasheet

Carbon Monoxide Detector



**24VAC or DC
Power Input**



**Standalone
Detector or
Used with an
CGS Controller**



**Traffic Light
Indicator Display
Changes Color
Dependent On Gas
Levels**



**BMS/BAS
Communications**



**Modern & Compact
Design**



**Alarm Relay
Dry Contact**



**Plug & Play
Installation**

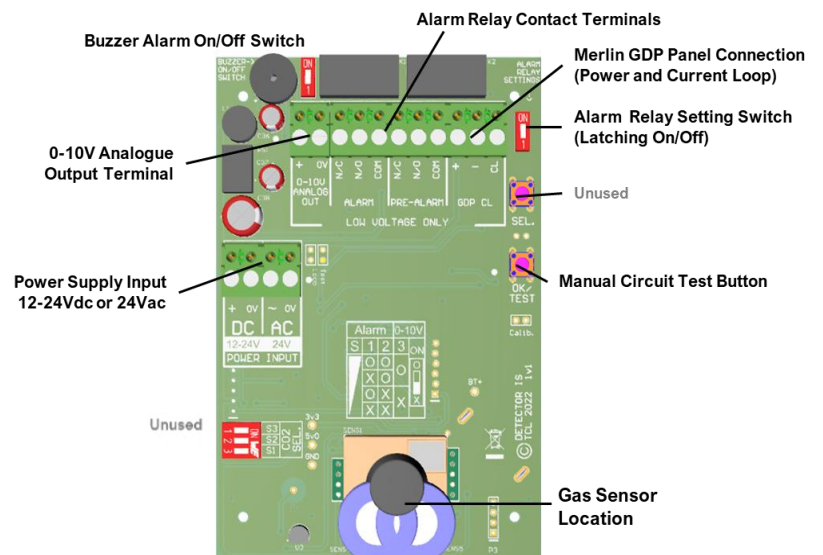


**In-Built
Audible Alarm**

Product Overview

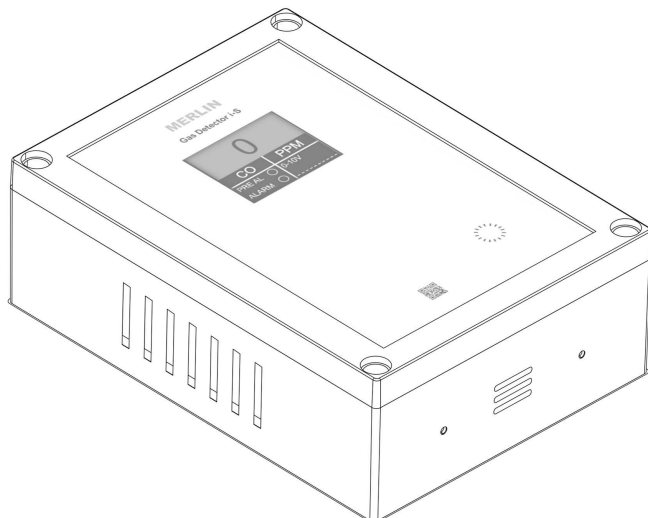
The iS range of CGS detectors work in combination with the CGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The CGSCOiS-PSA features an electrochemical sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the units aesthetically pleasing and easy to install.

Popular Applications



Technical Specification

General							
Model:		Detector i-S PSA					
Target Gas		CO					
Size: (H x W x D)		5.95 x 4.37 x 1.97” (151 x 111 x 50mm)					
Housing Material:		ABS PA765. Flame Retardant UL 94V-1					
Mounting:		Safe Zone - Indoor use - Wall Mounted					
Weight:		212g					
User Interface							
Display:		1.8” TFT					
Screen Brightness:		Non-Adjustable					
Visual Indicators:		Gas Level (Green: Normal; Yellow: Pre-Alarm; Red: Alarm) 0-10V Output: Relay Output					
Audible Alarm:		>65dB @ 3.28ft (1m). Quiet conditions.					
Language:		English					
Power Supply							
Max. Power Consumption:		1.8W					
Power Rating:		12-24V AC or DC					
Relays							
Volt Free BMS relay outputs:		1A switching current (resistive load) @ 24V AC/DC					
Environmental							
Ingress Protection (IP):		Not Formally Evaluated					
Operating:		-10 ~ 50°C / 14 ~ 122°F / 20 ~ 90% RH (non-condensing)					
Storage:		0 ~ 50°C / 32 ~ 122°F / 30 - 80% RH (no condensation)					
Altitude Rating:		2000m					
Wiring							
Typical		Min. 2.5mm2 / 75°C min / Tinned copper.					
Approvals							
Electrical Safety		BS EN 61010-1:2010 +A1:2019.					
Electromagnetic Compatibility		BS EN 50270.					
Sensor Specification							
Factory Calibration Conditions		25° ± 5°C - 77° ± 41°F (40-70% RH)					
Sensor Type		Electrochemical					
Gas Sensor	Measuring Range	Steps	Response (t90)	Recovery (t10)	Alarm: 1	Alarm: 2	*EOL (Years)
Carbon Monoxide (CO)	0-300ppm	1	<60s	<60s	▲25ppm	▲100ppm	5



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 CGSCOiS-PSA monitor should be installed approximately 5ft 6inch from the ground level.

Find out more
Canadian Gas Safety Inc
www.canadiangassafety.com

Head office: 150 King Street West Suite 200,
 Toronto, ON M5H 1J9
 Tel: (647) 577-1500
 Email: info@canadiangassafety.com

