

CGSCOiS Datasheet Carbon Monoxide



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

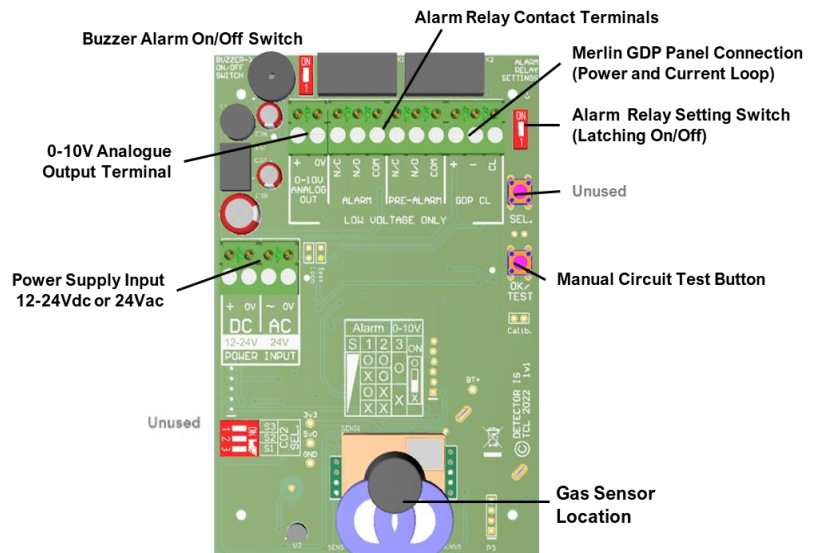
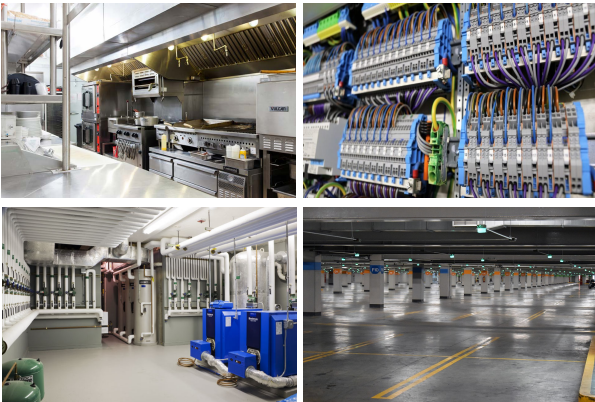


In-Built
 Audible Alarm

Product Overview

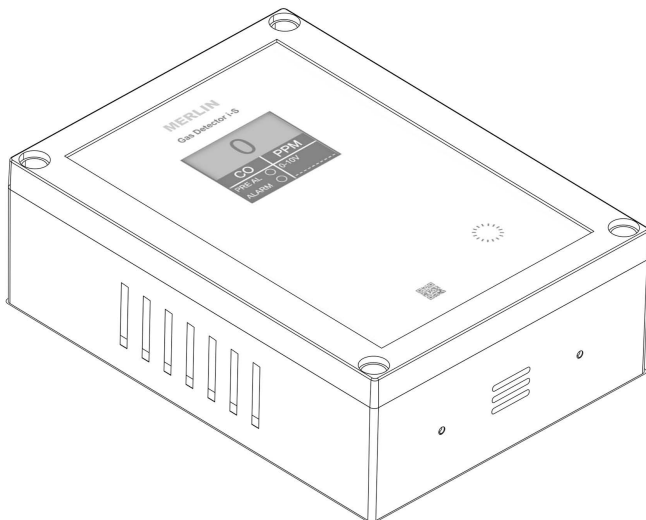
The iS range of CGS detectors work in combination with the CGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The CGSCOiS features an electrochemical sensor for industrial and commercial indoor applications. Compact, modern, digital design makes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

Popular Applications



Technical Specification

General							
Model:	Detector i-S						
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 / 20 ~ 90% RH (non-condensing)						
Storage:	0 ~ 50°C / 30 - 80% RH (no condensation)						
Altitude Rating:	2000m						
Wiring							
Typical	Min. 2.5mm ² / 75°C min / Tinned copper.						
Approvals							
Electrical Safety	BS EN 61010-1:2010 +A1:2019.						
Electromagnetic Compatibility	BS EN 50270.						
Sensor Specification							
Gas Sensor	Indicating Range	Steps	Response (t90)	Recovery (t10)	Alarm: 1 (Pre alarm warning)	Alarm: 2 - Exposure Time	*EOL (Years)
Carbon Monoxide (CO)	0-999ppm	1	<60s	<60s	▲20ppm	Exposure time. ▲20ppm (after two hours) ▲50ppm (after one hour) ▲100ppm (after ten minutes) ▲300ppm (after one minute)	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 monitor should be installed approximately 5ft 6inch from the ground level.

Find out more

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