

CGSLPGiS-PSA

Datasheet

Liquid Petroleum Gas



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

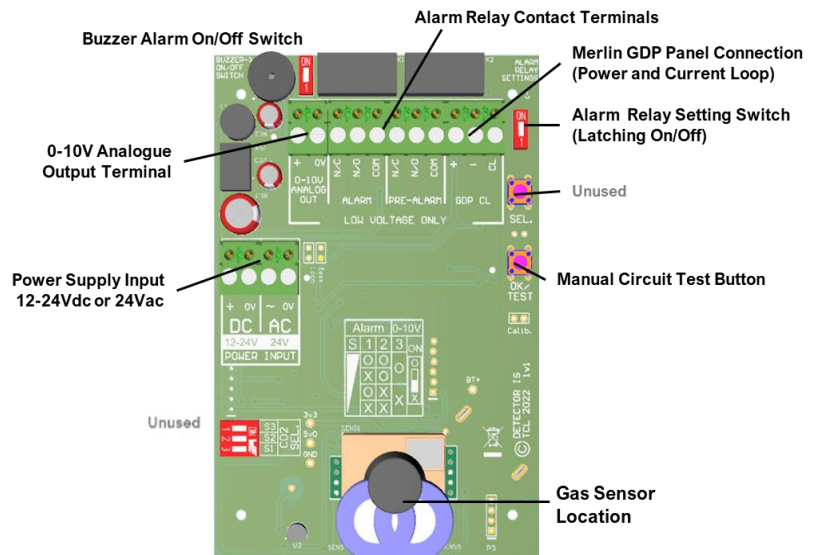


In-Built Audible Alarm

Product Overview

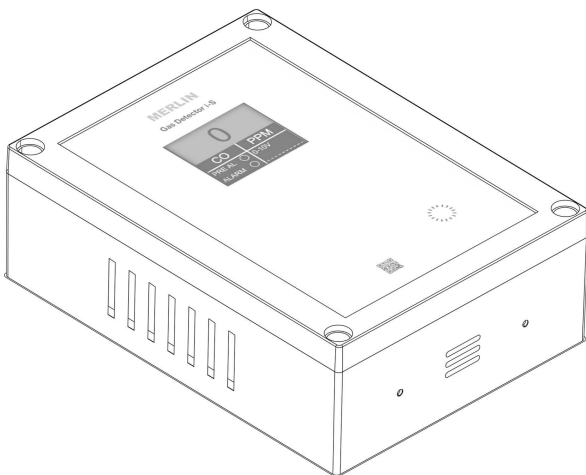
The iS-PSA range of CGS detectors work in combination with the CGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The CGSLPGiS-PSA features a semiconductor sensor for industrial and commercial indoor applications. Compact, modern, digital design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

Popular Applications



Technical Specification

General							
Model:	Detector i-S - PSA						
Target Gas	LPG						
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. 2.5mm ² / 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	Semiconductor						
Gas Sensor	Measuring Range (%LEL)	Calibration Gas	Response (T90)	Recovery (T10)	Alarm: 1 (Pre alarm warning)	Alarm: 2	*EOL (Years)
Liquid Petroleum Gas (LPG)	0-10%	10% LEL	<30s	<30s	▲ 8%LEL	▲ 10%LEL	10



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 CGSLPGiS-PSA monitor should be installed approximately 1ft from the ground level.

Find out more

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