

# AGSLPGiS-PSA Datasheet

Liquid Petroleum Gas



24VAC or DC  
 Power Input



Standalone  
 Detector or  
 Used with an  
 AGS Controller



Traffic Light  
 Indicator Display  
 Changes Color  
 Dependent On Gas  
 Levels



BMS/BAS  
 Communications



Modern & Compact  
 Design



Alarm Relay  
 Dry Contact



Plug & Play  
 Installation

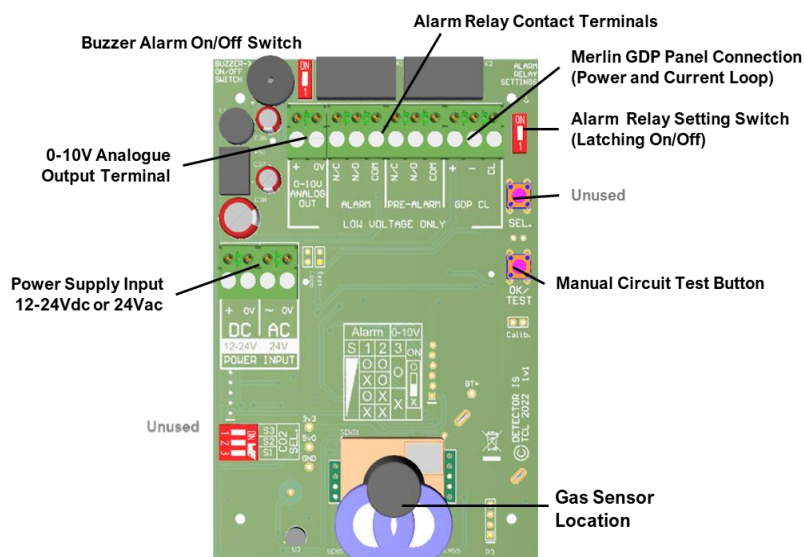


In-Built  
 Audible Alarm

## Product Overview

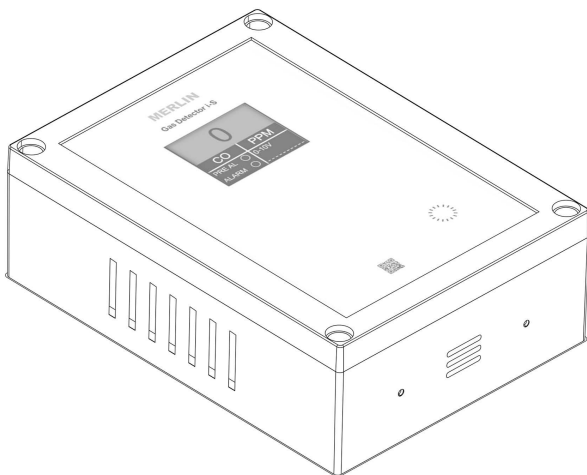
The iS-PSA range of AGS detectors work in combination with the AGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The AGSLPGiS-PSA features a semiconductor sensor for industrial and commercial indoor applications. Compact, modern, digital design 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. 2.5mm2 / 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		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. Each AGSLPGiS-PSA can cover a 50ft radius. Emphasis should be placed on airflow patterns and correct placement, not perceived detecting ranges.

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

Find out more

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