

AGSRi Datasheet

Refrigerant Gas Detector
 134a, 407c, 410a, 417a & 32



24VAC or DC
 Power Input



Standalone
 Detector or
 Used with an
 AGS Controller



LED Status
 Indication Display
 Changes Color



BMS/BAS
 Communications



Modern & Compact
 Design



Alarm Relay
 Dry Contact



Plug & Play
 Installation

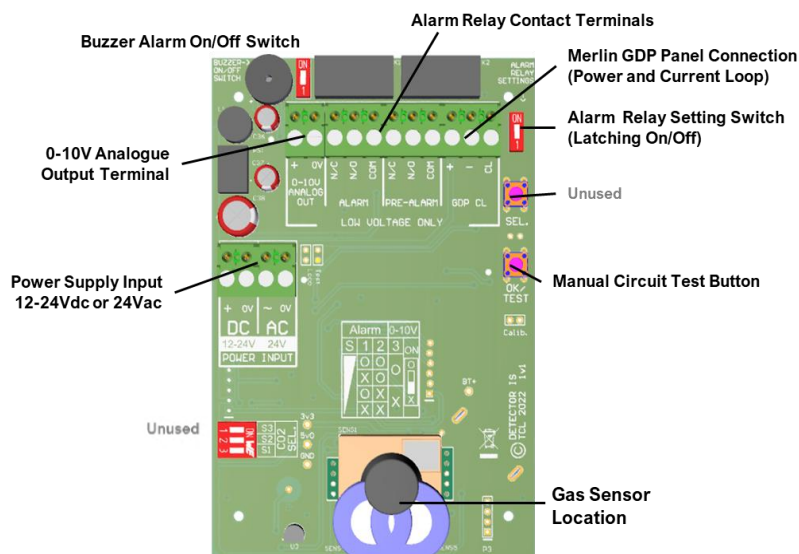


In-Built
 Audible Alarm

Product Overview

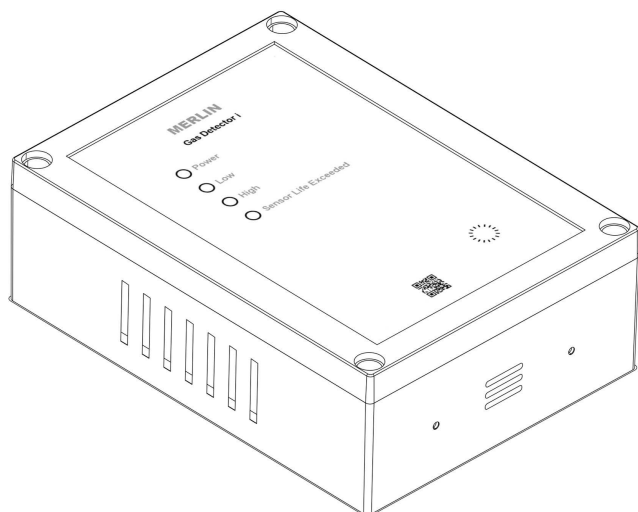
The i range of AGS detectors work in combination with the AGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The AGSRi features a semi-conductor sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the units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

Popular Applications



Technical Specification

General							
Product:		Merlin Detector i					
Models (Target Gas):		Refrigerant 134a, 407c, 410a, 417a & 32					
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:		N/A					
Screen Brightness:		N/A					
Visual Indicators:		Power (Green) Low Alarm (Yellow) High Alarm (Red) EOL (Yellow)					
Audible Alarm:		>65dB @ 3.28ft (1m). Quiet conditions.					
Language:		English					
Power Supply							
Rated Power:		1.8W Max					
Rated Voltage:		12-24Vdc or 24Vac					
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.					
Compliance							
Electrical Safety & EMC		CE / UKCA BS EN 61010-1:2010 +A1:2019. & BS EN 50270.					
Sensor Specification							
Gas Sensor	Measuring Range	Steps	Response (t90)	Recovery (t10)	Alarm: 1 (Pre alarm warning)	Alarm: 2 - Exposure Time	*EOL (Years)
Refrigerant 134a, 407c, 410a, 417a & 32	100-5000ppm	1	<60s	<60s	▲ 500ppm ▼ 800ppm	▲ 1000ppm	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 AGSRI monitor should be installed approximately 1ft from the ground level.

Find out more

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