

AGSHiS

Datasheet

Hydrogen 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

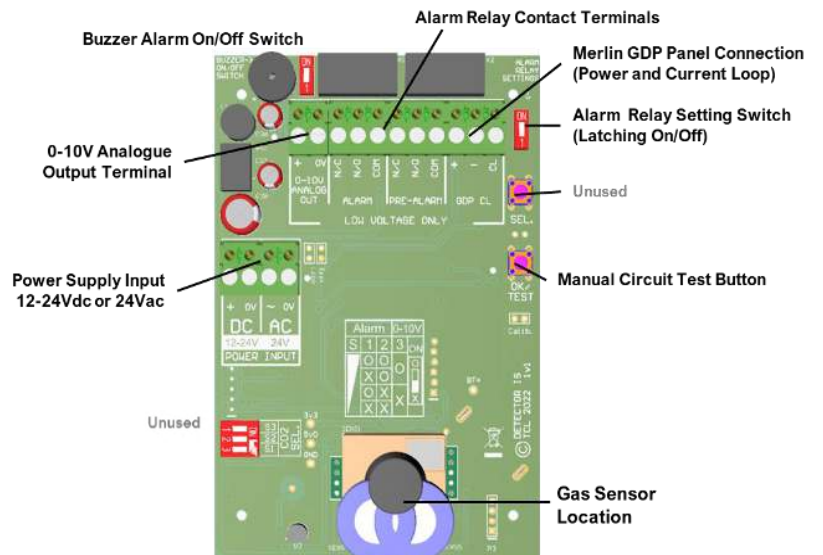


In-Built
Audible Alarm

Product Overview

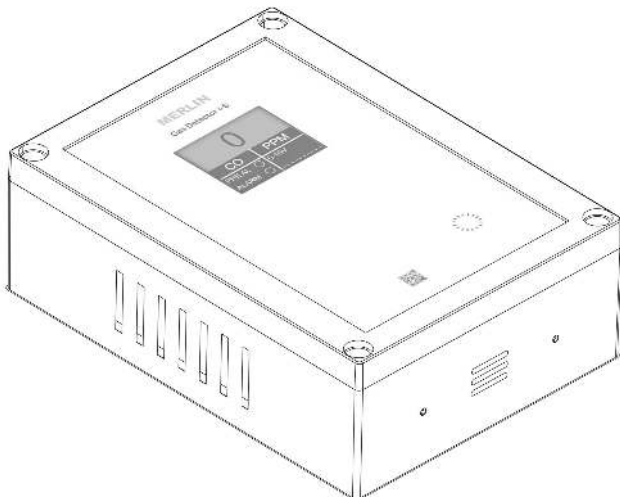
The iS range of AGS detectors work in combination with the AGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The AGSHiS features a semiconductor sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the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

Popular Applications



Technical Specification

| General | | | | | | | |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------|----------------|----------------|------------------------------|----------|--------------|
| Model: | Detector i-S | | | | | | |
| Target Gas | H | | | | | | |
| 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) |
| Hydrogen Gas | 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 AGSHiS monitor should be installed approximately 1ft from the ceiling.

Find out more

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