

AGSNO2iS-PSA

Datasheet

Nitrogen Dioxide Detector



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

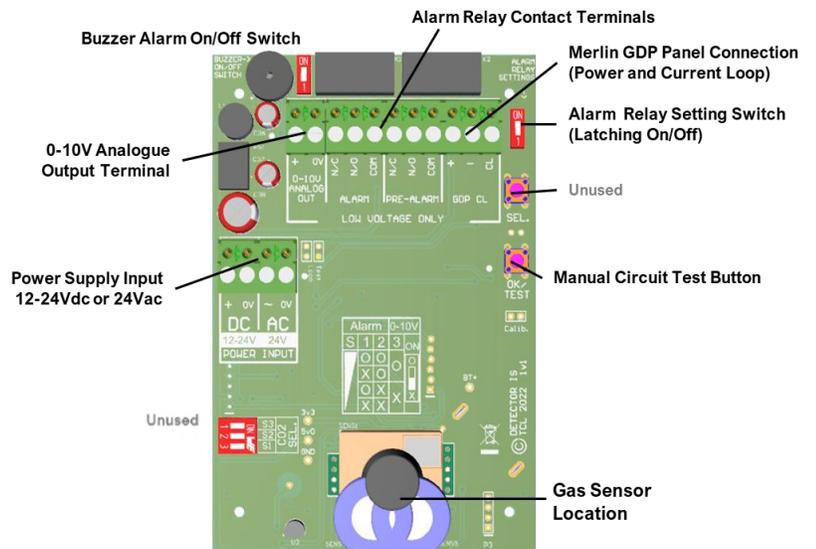


In-Built Audible Alarm

Product Overview

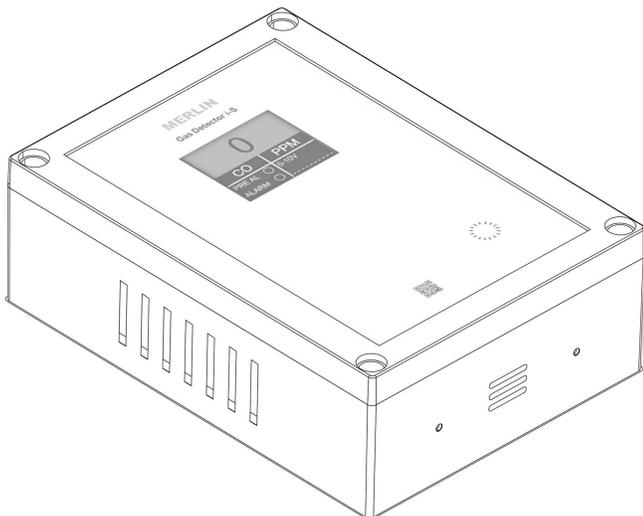
The iS range of AGS detectors work in combination with the AGS Merlin range of Gas Detection panels and Utility Controllers or can be used as a standalone detector. The AGSNO2iS-PSA features a electrochemical sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the units aesthetically pleasing and easy to install.

Popular Applications



Technical Specification

| General | | | | | | | |
|-------------------------------------|---|----------------------|----------------|----------------|------------------------------|----------|--------------|
| Model: | Detector i-S-PSA | | | | | | |
| Target Gas | NO2 | | | | | | |
| 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 | Electromechanical | | | | | | |
| Gas Sensor | Measuring Range (ppm) | Calibration Gas | Response (T90) | Recovery (T10) | Alarm: 1 (Pre alarm warning) | Alarm: 2 | *EOL (Years) |
| Nitrogen Dioxide (NO ₂) | 0-20 | 5ppm NO ₂ | <60s | <50s | ▲0.7ppm | ▲2ppm | 3 |



Area of coverage

Consider the coverage required and function of the area. Each AGSNO2iS-PSA can cover a 50ft radius. Emphasis should be placed on airflow patterns and correct placement, not perceived detecting ranges.

The AGSNO2iS-PSA monitor should be installed approximately 1ft from the ground level.

Find out more

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