

AGSHTFT Datasheet

Hydrogen Gas Detector





In-Built

Audible Alarm

Product Overview

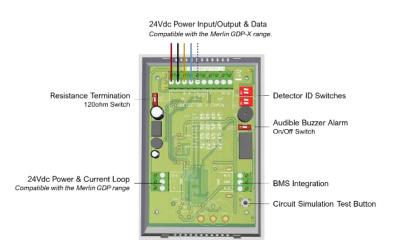
The TFT range of AGS detectors work in combination with the AGS Merlin range of Gas Detection panels and Utility Controllers. The AGSHTFT features a semiconductor sensor for industrial and commercial indoor applications. Compact, modern, digital design makes the units aesthetically pleasing and easy to install.

Plug & Play

Installation

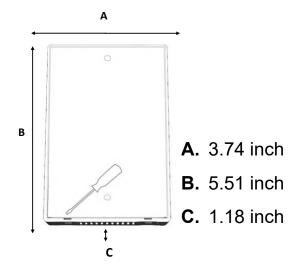
Popular Applications





Technical Specification

General						
Model:	Merlin Gas Detector TFT					
Target Gases:	Н					
Size: (H x W x D)	5.51 x 3.74 x 1.18" (140 x 95 x 30mm)					
Housing Material:	ABS Polylac - PA765					
Mounting:	Safe Zone - Indoor use - Wall Mounted					
Weight:	Max. 1.77oz (0.05kg)					
User Interface						
Display:	1.8" TFT					
Screen Brightness:	Non-A	Non-Adjustable				
Visual Indicators:	TFT visual. Green: Normal; Yellow: Pre-Alarm; Red: Alarm					
Audible Alarm:	>70dB @ 3.28ft (1m). Quiet conditions.					
Buttons:	None					
Language:	English					
Power Supply						
Power Consumption:	90mA Max @ 24vdc					
DC Power:	12-32 VDC - Nominal 24 VDC					
Internal Fuse:	None					
Equipment	'					
Overvoltage Category:	III					
Pollution Degree:	3					
I/O						
Dolovii.	Volt Free (Normally Closed / Common / Normally Open)					
Relay:	1x 30vdc 2A (Non-Latching)					
Environmental						
Ingress Protection:	Not Formally Evaluated					
Operating:	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% RH (non-condensing)					
Storage:	-25 ~ 50°C / -13~122F° up to 95% RH (non-condensing)					
Altitude Rating:	2000m					
Wiring						
Typical	#15AWG Power Pair; #18AWG Data Pair-Tinned copper.					
Approvals						
Electromagnetic Compatibility and	BS/IEC/EN 61010-1					
Electrical Safety	EMC EN 50270					
Other						
Communication	RS485 MODBUS RTU					
Gas Sensor Indicating Range	Steps	Response (t90)	Recovery (t10)	Alarm: 1 (Pre alarm warning)	Alarm: 2	*EOL (Years)
Hydrogen (H) 0-20% LEL	0.1	<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 target gas will only be identified when contact is made with the sensing element itself.

The AGSHTFT monitor should be installed approximately 1ft from ceiling.

Find out more

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