

AGSCO2iS-50k CO2 Storage Tank Monitoring

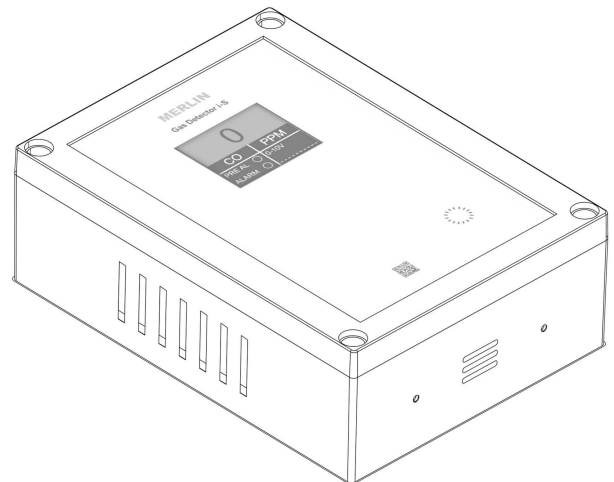
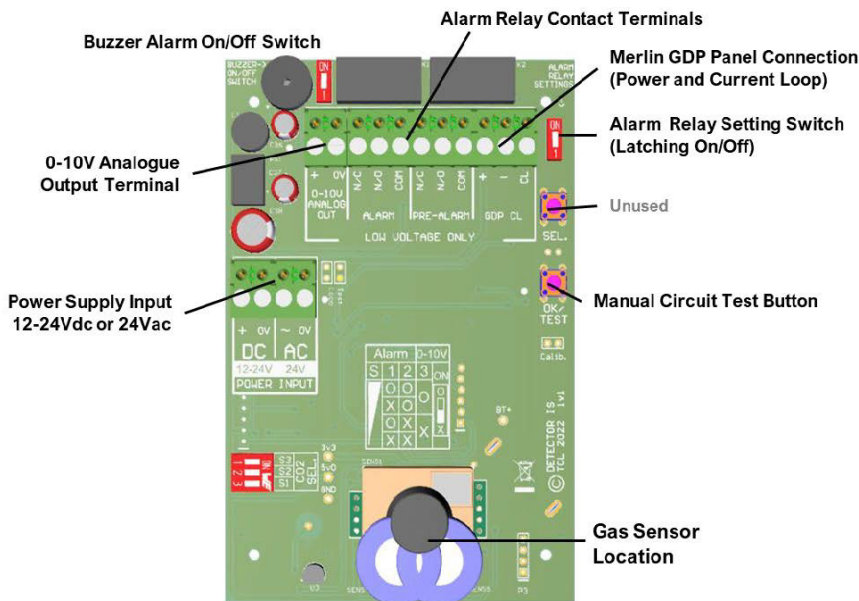


Key Features:

- 24VAC or DC Power Input
- 5,000ppm to 30,000ppm Alarm Set Points to Meet IFC, NFPA & NBIC requirements
- Traffic Light Indicator Display Changes Color Dependent On Gas Levels
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector or Used With An AGS Controls Controller
- Alarm Relay Dry Contact
- In-Built Audible Alarm
- Duct Mount Kit Available (Refer to AGSiS Duct Mount Sheet)

Product Overview:

The AGS Controls CO2iS-50K Detector is a standalone carbon dioxide (CO2) detector that has been designed to meet IFC, NFPA & NBIC requirements for CO2 monitoring in CO2 storage tank applications. This monitor can also be used in grow houses and cannabis cultivation. The detector operates on 24VAC or DC power input. Featuring a traffic light indicator display that changes color based on gas levels, it provides clear visual alerts. Its modern and compact design, along with plug & play installation, ensures easy setup and use. The iS Detector supports BMS/BAS communications, includes an in-built audible alarm, and has an alarm relay dry contact for added safety.



AGSCO2iS-50k CO2 Storage Tank Monitoring

General

Model:	AGSCO2iS-50K Detector
Target Gases:	Carbon Dioxide (CO2)
Size: (H x W x D)	5.95 x 4.37 x 1.97"
Housing Material:	ABS Polylac - PA765
Mounting:	1FT A.F.F. - Indoor Use - Wall Mounted
Weight	Max. 1.77oz

User Interface

Display	1.8" TFT
Screen Brightness:	Non-Adjustable
Visual Indicators:	TFT visual. Green: Normal; Yellow: Pre-Alarm; Red: Alarm
Audible Alarm:	>95dB @ 3.28ft 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

Relay:	Volt Free (Normally Closed / Common / Normally Open) 1x 30vdc 2A (Non-Latching)
--------	---

Environmental

Operating:	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% RH (non-condensing)
Storage	-25 ~ 50°C / -13~122F° up to 95% RH (non-condensing)
Atmospheric Pressure:	70-110kPa
Altitude Rating:	<9500ft

Wiring

Typical	#18-24AWG Power Pair; #18-24AWG Data Pair-Tinned copper.
---------	--

Approvals

Electromagnetic Compatibility and Electrical Safety	BS/IEC/EN 61010-1 EMC EN 50270
---	-----------------------------------

Sensor Specifications

	CO2iS-50K
Indicating Range	0-50000ppm
Alarm 1 (Pre Alarm)	<5000ppm
Alarm 2 (Alarm)	<30000ppm
End Of Life	10 Years