

X Range Gas Detectors



Key Features:

- 24VAC or DC Power Input
- Traffic Light Indicator Display Changes Color Dependent On Gas Levels
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector or Used With An S&S Middle East Controller
- Modbus Communications
- Alarm Relay Dry Contact
- In-Built Audible Alarm

Product Overview:

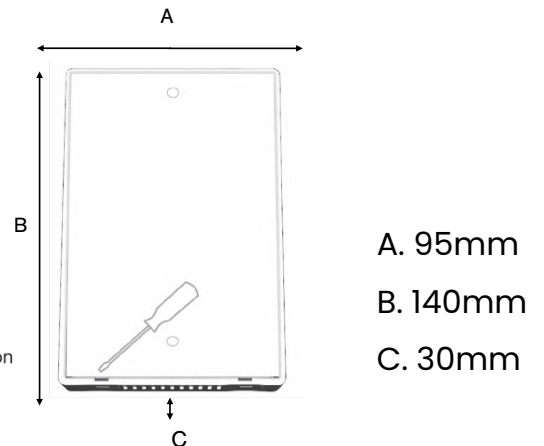
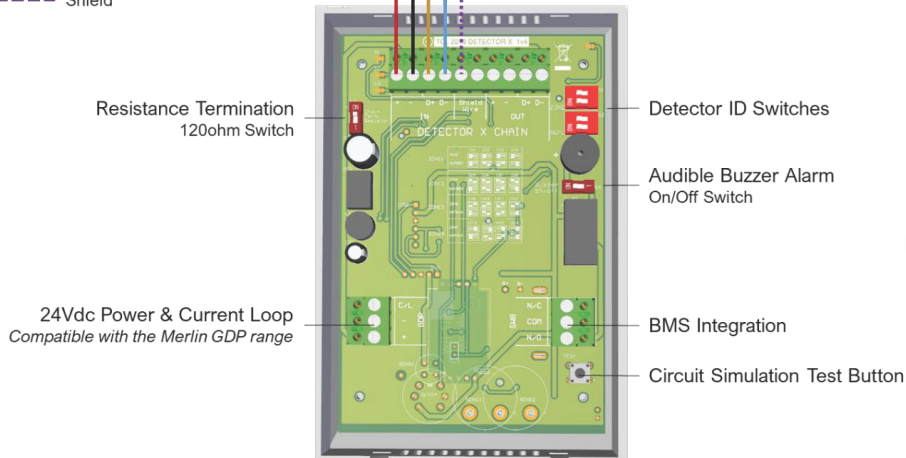
The X range of S&S Middle East detectors work in combination with the S&S Middle East range of Gas Detection panels or standalone. The S&S Detector X has been designed for commercial and industrial indoor applications. Compact, modern, digital design makes the units aesthetically pleasing and easy to install.

Detectable Gases Available:

- Natural Gas
- Carbon Monoxide
- LPG
- Hydrogen
- Oxygen
- Refrigerant

- Power [+]
- Negative [-]
- Bus Data [D+]
- Bus Data [D-]
- Shield

24Vdc Power Input/Output & Data
Compatible with the Merlin GDP-X range.



X Range Gas Detector Technical Specifications

General

Model:	Detector X Range
Target Gases:	See table above
Size: (H x W x D)	140 x 95 x 30mm
Housing Material:	ABS Polylac - PA765
Mounting:	IFT A.F.F. - Indoor Use - Wall Mounted
Weight	0.05kg

User Interface

Display	1.8" TFT
Screen Brightness:	Non-Adjustable
Visual Indicators:	TFT visual. Green: Normal; Yellow: Pre-Alarm; Red: Alarm
Audible Alarm:	>95dB @ 1m conditions
Buttons:	None
Language:	English

Power Supply

Power Consumption:	90mA Max @ 24 VDC
DC Power:	12-32 VDC - Nominal 24 VDC
Internal Fuse:	None
Overvoltage Category:	III
Pollution Degree:	3

I/O

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

Operating:	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% RH (non-condensing)
Storage	-25 ~ 50°C / -13~122°F up to 95% RH (non-condensing)
Atmospheric Pressure:	70-110kPa
Altitude Rating:	<2900M

Wiring

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

Electromagnetic Compatibility and Electrical Safety	BS/IEC/EN 61010-1 EMC EN 50270
Sensor Agency Approvals	UL Recognized Component for ANSI/UL-2034, UL-2075

Other

Communication	RS485 MODBUS RTU
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Gas Sensor Information

Model	Gas Sensor	Indicating	Element	Alarm 1 (Pre-Alarm)	Alarm 2 (Alarm)	EOL
NG-X	Methane	0-20%LEL	Semiconductor	8%LEL	10%LEL	10 Years
CO-X	Carbon Monoxide	0-999ppm	Electrochemical	20ppm	TWA - See Below	5 Years
LPG-X	Propane	0-20%LEL	Semiconductor	8%LEL	10%LEL	10 Years
H2-X	Hydrogen	0-20%LEL	Semiconductor	8%LEL	10%LEL	10 Years
O2-X	Oxyge	0-30%V/V	Electrochemical	19.5%V/V	18.5% > <23%	2 Years
R***-X	Refrigerant	75-1000ppm	NDIR	See Refrigerant Sheet	See Refrigerant Sheet	10 Years