Merlin LPG Detector

AMERICAN GAS SAFETY

Description

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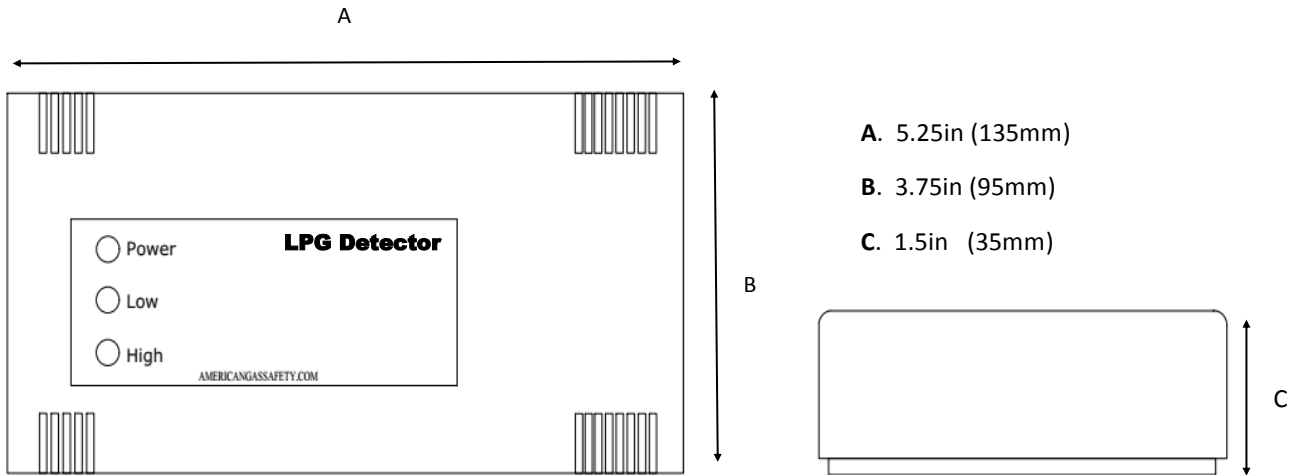
Application

Monitors boiler rooms, mechanical rooms, kitchens, hospitality and other commercial spaces involving Liquid Petroleum Gas (LPG). The XS range of detectors signal AGS Merlin controllers that an alarm condition has occurred. The detectors are suitable for all indoor applications and can be mounted onto single gang rough in box or directly onto a junction box.

Technical Specifications

Power Supply	7-30VDC, 80mA Max from Merlin Control Panel
Gas Sensor	Passive Semiconductor type sensor
Measuring Range	300-10000 ppm
Positioning of gas detector	12inch from the ground level
Warm up time for turning-on	1 minute
Low Level Alarm (Pre Alarm)	0.16% by volume
High Level Alarm	0.2% by volume
Volt free relay output	240VAC 500mA, 30VDC 2A switching current (resistive load)
Net weight	180g
Installation	Wall Mountable Single Gang Rough In Box
Standards / Approvals	CE, UL

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A. 5.25in (135mm)

B. 3.75in (95mm)

C. 1.5in (35mm)

Warranty

3-year standard AGS warranty

Installation

18/4 AWG cable – Power 12v max – Signal Dry Contact

Coverage – 10m² (110ft²)

Avoid drafts – Mount above head height 12 inches form ceiling – Avoid high temperatures

Wire multiple Detectors as per manufacturer's wiring instructions.

Max # of detectors per zone is 3 (GDP2 2 Zones, GDP4 4 Zones, 1000 range 1 Zone)

Agency Approvals

UL 2034 / UL 2075 UL 61010-1 3rd edition