AGSGDP2X Datasheet

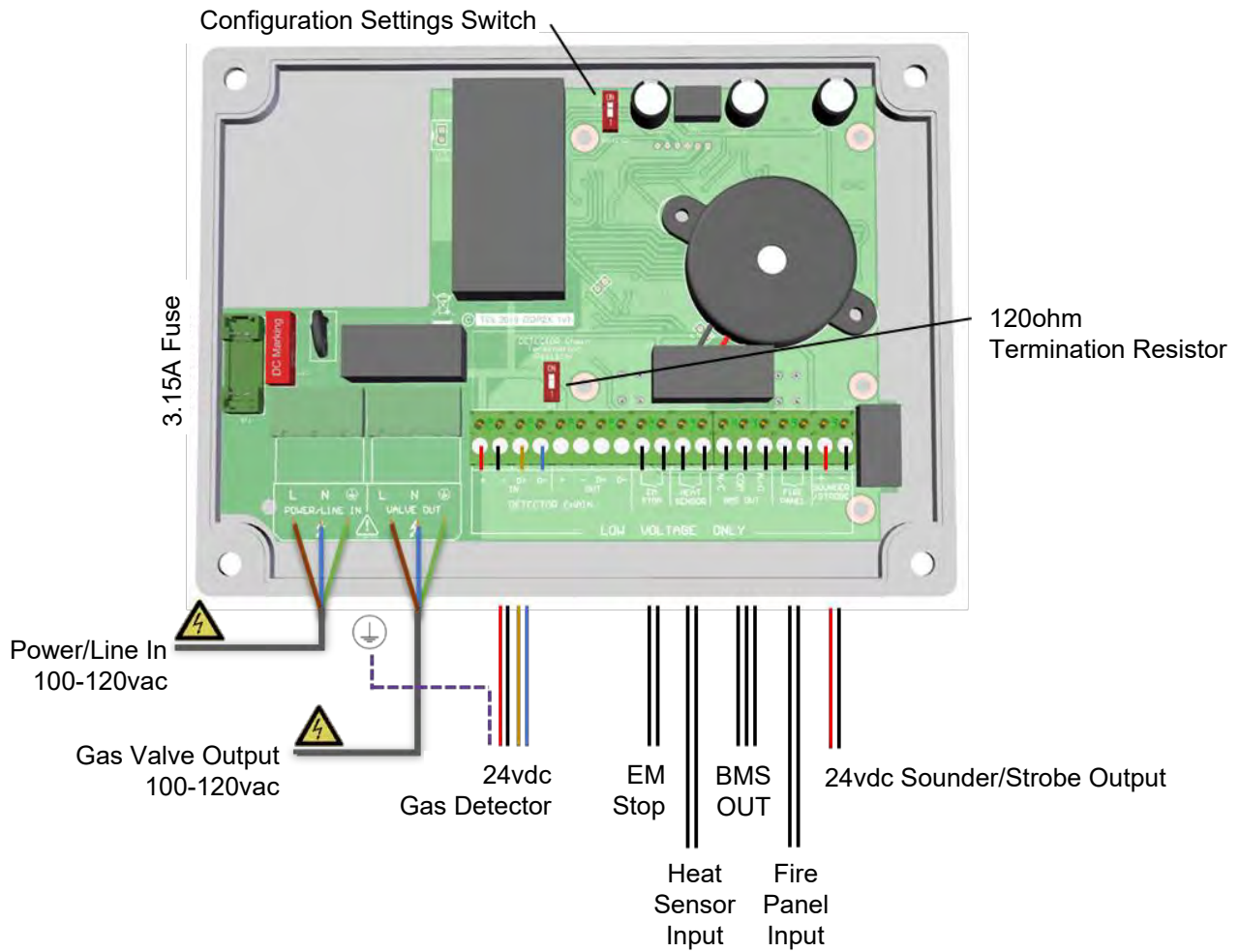## Advanced Gas Detection System

Product Overview

The Merlin GDP2X is a 8 zone detection panel which can be used in many applications, e.g. mechanical rooms, car parks, shopping malls and the most common being a boiler house application.

The GDP2X has a touch screen which displays two modes, the engineers mode and the user mode. A settings dipswitch inside the controller allows the engineer/user to configure the system. When changes have been, the system will automatically restart once the settings switch is off.

Many varieties of detectors are compatible with GDP2X, e.g. Natural Gas, Carbon Monoxide, LPG, Refrigerant Gas and Oxygen depletion. Up to 8 detectors can be used in any combination and can be individually monitored on the GDP2X TFT display.

General	
Product:	GDP2X: Gas Detection Control Panel
Use:	Indoor, Safe Areas (not to be used in potentially explosive atmospheres)
Indicators (2.8" Touch Screen)	Main Zone Status. ID. Gas Type. Concentration Level. Measured Value. End of Life. Fault. Service.
Screen Brightness	Adjustable 0-100%
Mounting	Wall Mounting
Electrical	
Max. Power Consumption	20W Max (Full Load)
Power Voltage Input Range	100-120vac
Gas Valve Output Range	100-120vac
I/Os	2x 24vdc Outputs (Detector / Strobe or Sounder) 3x Open/Close Switches (EM Stop / Heat Sensor / Fire Panel)
BMS Terminal	Volt Free (Normally Closed / Common / Normally Open) 3A Max
Relay(s)	2x 120vdc 8A (Latching) Configurable Normally open or Normally Closed (Switch)
Terminal Wire ratings	Copper 18AWG (0.75mm2) Min. 25 x screw terminals.
Fuse	3.15A
Construction	
Dimensions (H x W x D)	140 x 190 x 62 mm/ 5.51 x 7.48 x 2.44"
Unit Weight (Approx.)	0.72kg / 25.4oz
Housing Material	Polylac - PA765
Environmental	
Ingress Protection	IP65 (Pre-installation)
Storage Conditions	Dry. Cool. Flat
Operating Conditions	-10 ~ 50°C / 14 ~ 122°F 30 ~ 80% rh
Compliance	
CE / UKCA	EN 61326-1 / BS EN IEC 61010-1

Board Overview

Configuration Settings Switch

3.15A Fuse

120ohm
Termination Resistor

Power/Line In
100-120vac

Gas Valve Output
100-120vac

24vdc
Gas Detector

EM
Stop

BMS
OUT

24vdc Sounder/Strobe Output

Heat
Sensor
Input

Fire
Panel
Input

Find out more

American Gas Safety LLC

www.americangassafety.com

Head office:
6304 Benjamin Road, Suite 502, Tampa, FL 33634

Tel: (727) 608-4375
Email: info@americangassafety.com