

# THE MERLIN RANGE

## GDP2 SYSTEM

*The Merlin GDP2 can be used as a single or two zone gas detection and shut off system. Used in a variety of applications including boiler-houses, plant-rooms and factories.*

*The Merlin GDP2 can operate with up to two Merlin detectors to monitor a variety of gases, the more common being Natural gas (Methane), Carbon Monoxide and LPG.*

*Gas detectors are fixed remote from the GDP2 panel & should be wired back to the GDP2 panel with three core low voltage cable. Remote emergency shut-off buttons and thermal links can also be connected to the Merlin GDP2 panel*



### Advantages of the Merlin GDP2 System

- Easy to install – The use of clearly marked PCB connections, low voltage wiring and push-fit wiring connections makes the GDP2 very simple to install.
- Multi zone system - Can be used as a single or two-zone gas detection/shut-off system.
- User friendly – Digital LED design gives clear system indication at all times.
- Easily Adaptive - Will work with building management systems and remote fire panels.
- Fitted with emergency stop as standard - capable of accepting any number of additional emergency shut off buttons.
- Covered by the S&S Northern 3 year warranty.



# WIRING DIAGRAMS AND ANCILLARY PRODUCTS

**Merlin GDP2 Box Dimensions: Height: 140mm x Length: 190mm x Depth: 60mm (Excluding EM Stop)**



## Merlin GDP2 System Wiring Diagram

1. Mains Input 230VAC.
2. Gas Solenoid Valve Power Output, 230VAC, Max 3A.
3. Remote Gas detector input, 24VDC power supply (sold separately).
4. Remote Gas detector input, 24VDC power supply (sold separately).
5. Remote EM Stop buttons (purchased separately). VOLT FREE INPUT
6. Fusible Links (purchased separately). VOLT FREE INPUT
7. Fire panel (Supplied by others). VOLT FREE INPUT
8. BMS output contacts. Normally Closed, Common & Normally Open.
9. Sounder Alarm, 24VDC power supply (purchased separately).
10. BMS selection & Auto reset
11. Zone 1 & 2 enable/disable dipswitches.



**GDP Detector Dims: H: 95mm x L: 133mm x D: 38mm**