



Legend

- 1) A 230vAC electrical supply should be supplied to the panel. This should be externally fused at 3 Amps using a fused spur and should be connected to the terminals marked "LNE Power".
 - 2) The gas solenoid valve should be powered using the terminals on the Merlin GDP2 marked "Gas Valve".
 - 3-4) The terminals detailed on the circuit board as "Gas Detector Zone 1" & "Gas Detector Zone 2". These connections are "+,-" and "CL" and can be wired to a Merlin gas detector. Natural gas, Carbon monoxide or LPG. Other detector types are available.
 - 5) The terminal for remote emergency shut-off buttons is detailed on the circuit board as "EM REMOTE". These connections are linked out as a factory setting. Remote emergency shut-off buttons should be volt free and wired to the Merlin GDP2 using two-core cable.
 - 6) The terminal for heat detectors is detailed on the circuit board as "HEAT SENSOR". These connections are linked out as a factory setting. Heat detectors should be volt free and wired to the Merlin GDP2 using two-core cable.
 - 7) The terminal for fire alarms is detailed on the circuit board as "FIRE PANEL". These connections are linked out as a factory setting. Fire alarms should be volt free and wired to the Merlin GDP2 using two-core cable.
 - 8) Terminal connections are available on the circuit board for connections to Building Management systems. This terminal should be wired using low voltage cable.
 - 9) The terminal for sounder alarms is detailed on the circuit board as "SOUNDER/STROBE". Sounder alarms should be wired using low voltage cable and wired to the Merlin GDP2 using two-core cable. This terminal has a 24VDC output.
 - 10) There is a set of two dip-switches located on the PCB of the Merlin GDP2 labelled "ZONE 1" & "ZONE 2". This is factory set in the 'off' position. For each of the gas detector zones you are using please ensure that the relevant zone has being enabled. The zones you are not using should be left disabled.
 - 11) There is a set off two-dip switches located on the PCB of the Merlin GDP2 labelled "BMS" & "AUTO". This is factory set in the 'off' position.
- Note: All low voltage connections should be made using a screened cable. To avoid electrical interference this should not be in the same conduit as mains cable as per the low voltage directive. For further information please refer to S&S Northern operating and installation instructions.

- 230 VOLT MAINS LIVE
- NEUTRAL
- EARTH
- LOW VOLTAGE



Client
Job Title
Drawing Title

Notes

All discrepancies between information shown on the drawing and information in the specification to be referred to S & S Northern prior to proceeding.

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Amendments		
Scale	Date	Drawn
N.T.S.		BT
Drg. No. GDP2		Rev. 1