



**Legend**

- 1) A 230-Volt 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 IN".
- 2) The gas solenoid valve should be powered using the terminals on the Merlin GSP2 marked "TO VALVE".
- 3) The terminal detailed on the circuit board as "SENS 1". These connections are "+,-" and "L,J", these can be wired to a Merlin Natural Gas, Carbon Monoxide and LPG detector. If no detector is being used leave the link in between the "L,J". Other detector types are available.
- 4) The terminal detailed on the circuit board as "SENS 2". These connections are "+,-" and "L,J", these can be wired to a Merlin Natural Gas, Carbon Monoxide and LPG detector. If no detector is being used leave the link in between the "L,J". Other detector types are available.
- 5) The terminal for remote emergency shut-off buttons is detailed on the circuit board as "EM (MAN)". These connections are linked out as a factory setting. Remote emergency shut-off buttons should be volt free and wired to the Merlin GSP2 using two-core cable.
- 6) The terminal for remote emergency shut-off buttons, fusible links & fire alarms is detailed on the circuit board as "EM (AUTO)". These connections are linked out as a factory setting. Remote emergency shut-off buttons should be volt free and wired to the Merlin GSP2 using two-core cable.
- 7) The terminal detailed on the circuit board as "F/C". These connections are "+,-", these can be wired to a sounder alarm beacon or fire crier. These should be wired using low voltage cable. When the panel is in fault this will send 24V to activate the sounder alarm beacon.
- 8) The terminal detailed on the circuit board as "N/C". These connections can be used to wire to a BMS or can be used as a switch connection. These should be wired using low voltage cable.
- 9) There is a set of two dip-switches located on the PCB of the Merlin GSP2 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 been enabled. The zones you are not using should be left disabled.

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. GSP2		Rev. 1