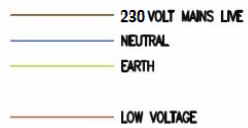


**Legend**

- 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".
  - 2) The gas solenoid valve should be powered using the terminals on the Merlin 1000BH marked "Gas Valve".
  - 3) The terminal detailed on the circuit board as "Gas Detector 1". These connections are "+,-" and "└┘", these can be wired to a Merlin Natural Gas, Carbon Monoxide or LPG detector. If no detector is being used leave the link in between the "└┘". Other detector types are available.
  - 4) The terminal detailed on the circuit board as "Gas Detector 2". These connections are "+,-" and "└┘", these can be wired to a Merlin Natural Gas, Carbon Monoxide or LPG detector. If no detector is being used leave the link in between the "└┘". Other detector types are available.
  - 5) The terminals marked pressure sensor "+ - IN". These wire to the gas pressure transducer which is screwed into the downstream port of the gas solenoid valve. Please ensure this is wired as instructed. Minimum operating pressure = 12Mbar Maximum operating pressure = 100Mbar.
  - 6) 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 1000BH using two-core cable.
  - 7) Terminals connections are available on the circuit board for connections to Building Management systems. This terminal should be wired using low voltage cable.
  - 8) Terminal connections are available on the circuit board for connections to fire alarm panels. This terminal should be wired using low voltage cable.
  - 9) Terminal connections are available on the circuit board for connections to fusible links. This terminal should be wired using low voltage cable.
  - 10) This is a permanent 12v DC output when there is power at the panel.
- 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.



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 N.T.S.	Date	Drawn BT
Dwg. No. 1000BH		Rev. 1