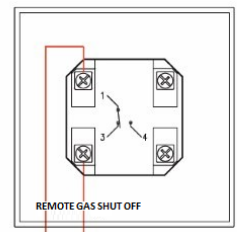


Legend

- 1) A 240-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 2000S marked "Gas Valve".
 - 3) This terminal is disabled on this system.
 - 4) This terminal is disabled on this system.
 - 5 & 6) These terminals are used to receive an input signal from external air pressure switches or external current monitors. These are linked out as a factory setting. Wiring to the air pd switches & current monitors should be made using two-core volt free connections. Links should be left in any terminals not being used.
 - 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) 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.
 - 9) 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, if this connection is not being used leave the link in place. Remote emergency shut-off buttons should be volt free and wired to the Merlin 2000S using two-core cable.
 - 10) The terminals detailed on the circuit board as "Gas Detector". These connections are "+,-" and "LJ", 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 "LJ". Other detector types are available.
 - 11) This terminal switches when the key is turned on and off. This can be linked to a fan switch (panel supplied separately) which can provide power to the fans when the control panel is switched on.
 - 12) This terminal can be wired to a CO2 monitor to shut off the system in the event of High CO2 levels. If no CO2 monitor is supplied leave the terminal link in.
 - 13) This is a permanent 12v DC output when there is power at the panel, this is normally used to power a PM2.
- 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 LINE
- 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 N.T.S.	Date	Drawn BT
Orig. No. 2000S		Rev. 1