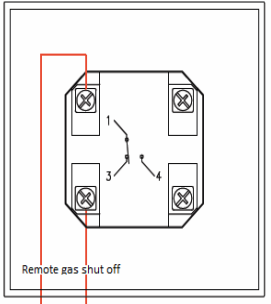


**Legend**

- 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 Mains In".
  - 2) The gas solenoid valve should be powered using the terminals on the Merlin CT1250 marked "To Valve".
  - 3) Terminals connections are available on the circuit board for connections to Building Management systems. This terminal should be wired using low voltage cable.
  - 4) The terminal for remote emergency shut-off buttons is detailed on the circuit board as "EM REM". These connections are linked out as a factory setting. Remote emergency shut-off buttons should be volt free and wired to the Merlin CT1250 using two-core cable.
  - 5) These terminals are used to receive an input signal from external air pressure switches or external current monitors. These are linked out as factory setting. Wiring to the air pd switches & current monitors should be made using two-core volt free connections. Mains supply must **NOT** be introduced to these terminals.
  - 6) If you are monitoring the supply fan by measuring electrical current going to the fan this terminal should be used and the link in the terminal 5 marked 'Supp Fan' should be removed. The live feed from the fan controller should be taken to the Merlin CT1250 and connected to the 'Supply Fan Live IN' terminal. The live feed from the 'Supply Fan Live OUT' terminal should then be taken to the fan.
  - 7) If you are monitoring the extract fan by measuring electrical current going to the fan this terminal should be used and the link in the terminal 5 marked 'Extr Fan' should be removed. The live feed from the fan controller should be taken to the Merlin CT1250 and connected to the 'Extract Fan Live IN' terminal. The live feed from the 'Extract Fan Live OUT' terminal should then be taken to the fan.
  - 8) On the circuit board just above the "Live feed" there is a potentiometer marked "sens 1" on the supply fan side and marked "sens 2" on the extract side. The fan should be run at minimum speed and the potentiometer adjusted until the green LED on the pcb, located below the potentiometer, lights up. This indicates the panel has seen the electrical current going to the fan. If a second fan is connected this procedure should then be repeated on the other potentiometer.
- 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
Dwg. No.		Rev.
CT1250		1