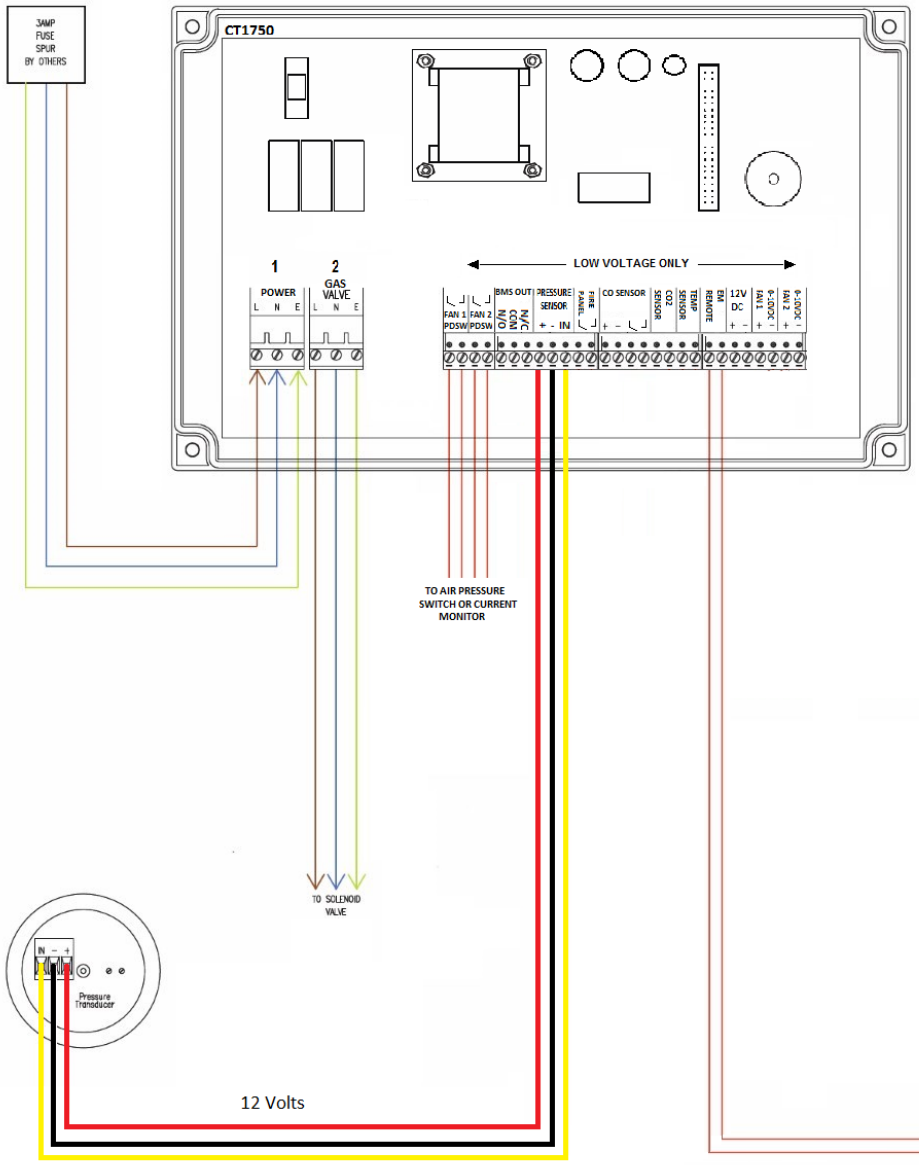

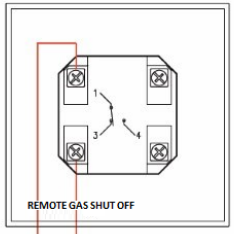

Legend

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 CT1750 marked "Gas Valve".
3 & 4) 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.
4) Terminal connections are available on the circuit board for connections to Building Management systems. This terminal should be wired using low voltage cable.
5) Terminal connections are available on the circuit board for connections to fire alarm panels. This terminal should be wired using low voltage cable. If no fire alarm is being used leave the link in between the "⌞⌟".
6) The terminal detailed on the circuit board as "CO SENSOR". These connections are "+,-" and "⌞⌟", these can be wired to a Merlin Carbon Monoxide detector. If no detector is being used leave the link in between the "⌞⌟". Other detector types are available.
7) 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.
8) Terminal connections are available on the circuit board for connections to fusible links. This terminal should be wired using low voltage cable. If no fusible links are being used leave the link in between the "⌞⌟".
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. Remote emergency shut-off buttons should be volt free and wired to the Merlin CT1750 using two-core cable.
10) This is a permanent 12v DC output when there is power at the panel. (Normally used to power a PM2 current monitor).
11 & 12) These terminals are used to regulate external fan speed controllers which can accept this control signal.
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

S&S NORTHERN
www.snsnorthern.com

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.

Amendments

Scale	Date	Drawn
N.T.S.		BT

Drg. No.	Rev.
CT1750	1