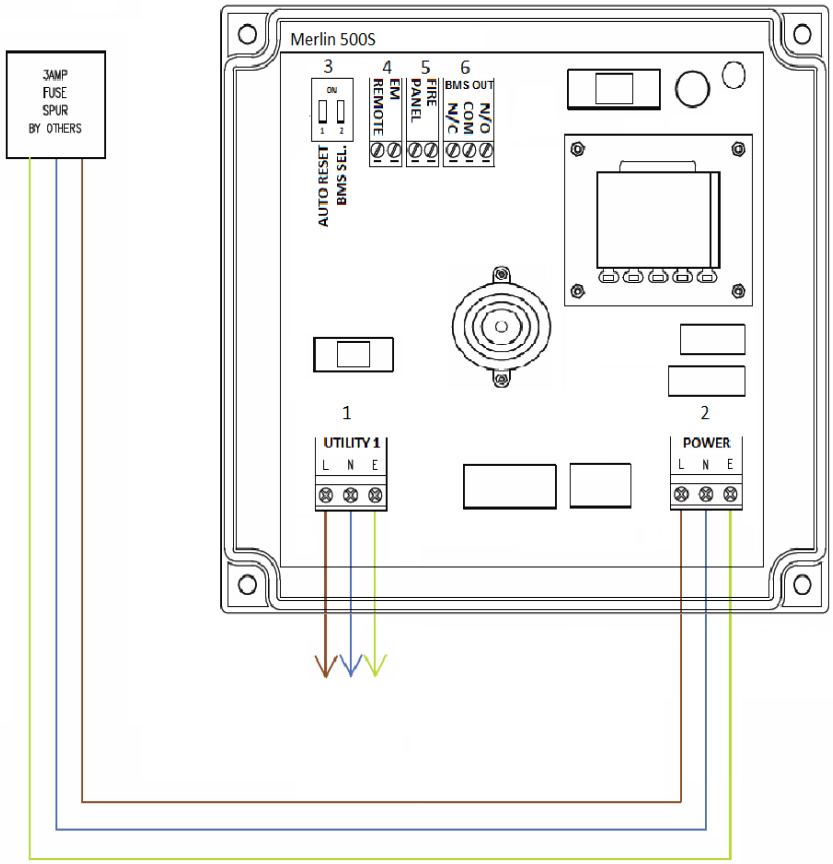

Legend

1) The UTILITY should be powered using the terminals on the Merlin 500S marked “UTILITY 1”.
2) A 100-240VAC 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”.
3) There is a set of two dip-switches located on the PCB of the Merlin 500S labelled “AUTO RESET” & “BMS SEL”. This is factory set in the “off” position.
4) The terminal for remote emergency shut-off buttons & fusible links 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 500S using two-core cable.
5) The terminal for connections to a fire alarm is detailed on the circuit board as “FIRE PANEL”. These connections are linked out as a factory setting. Fire alarm connections should be volt free and wired to the Merlin 500S using two-core cable.
6) The terminal detailed on the circuit board as “BMS OUT”. 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.
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 American Gas Safety LLC operating and installation instructions.

LINE VOLTAGE 100-240VAC
NEUTRAL
GROUND

LOW VOLTAGE

AMERICAN GAS SAFETY

Client

Job Title

Drawing Title

Notes
All discrepancies between information shown on the drawing and information in the specification to be referred to American Gas Safety prior to proceeding.

Amendments

Scale	Date	Drawn
N.T.S.		BT

Drg. No.	Rev.
Merlin 500S	1