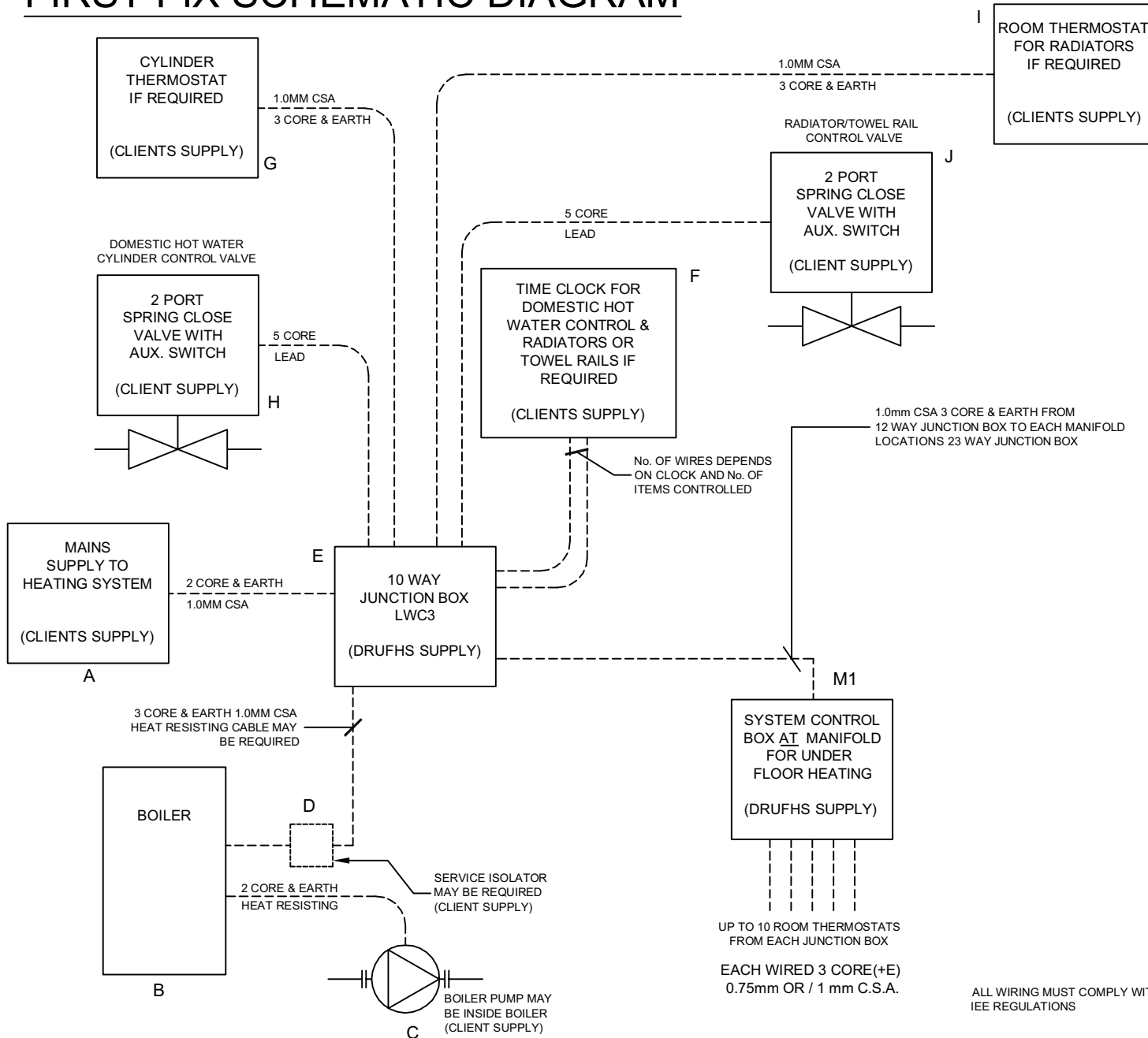


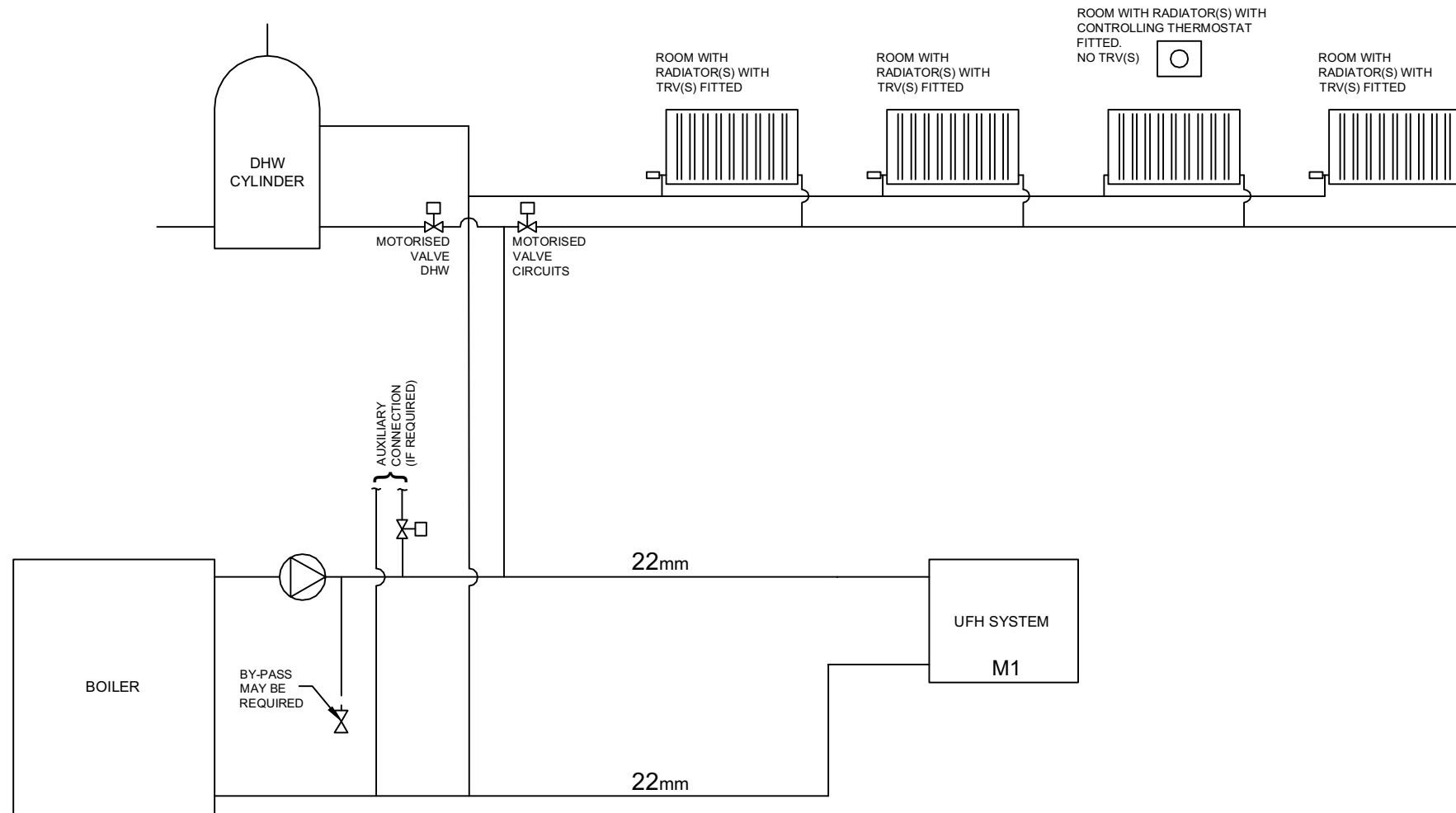
FRANKISCHE UK LTD. FIRST FIX SCHEMATIC DIAGRAM

TO AID FIRST FIX WIRING
NOTE LOCATION OF ALL ITEMS REQUIRED BELOW:
THEN RUN CABLES

| ITEM | LOCATION |
|------|-------------------------------|
| A | BOILER ROOM |
| B | BOILER ROOM |
| C | NEAR OR IN BOILER |
| D | NEAR BOILER |
| E | NEAR BOILER |
| F | NEAR BOILER TO CLIENTS CHOICE |
| G | D.H.W CYLINDER |
| H | FLOW OR RETURN D.H.W CYLINDER |
| I | ROOM WITHOUT TRV |
| J | FLOW OR RETURN RADS |
| M1 | |



SCHEMATIC OF HEATING SYSTEM COMBINATIONS

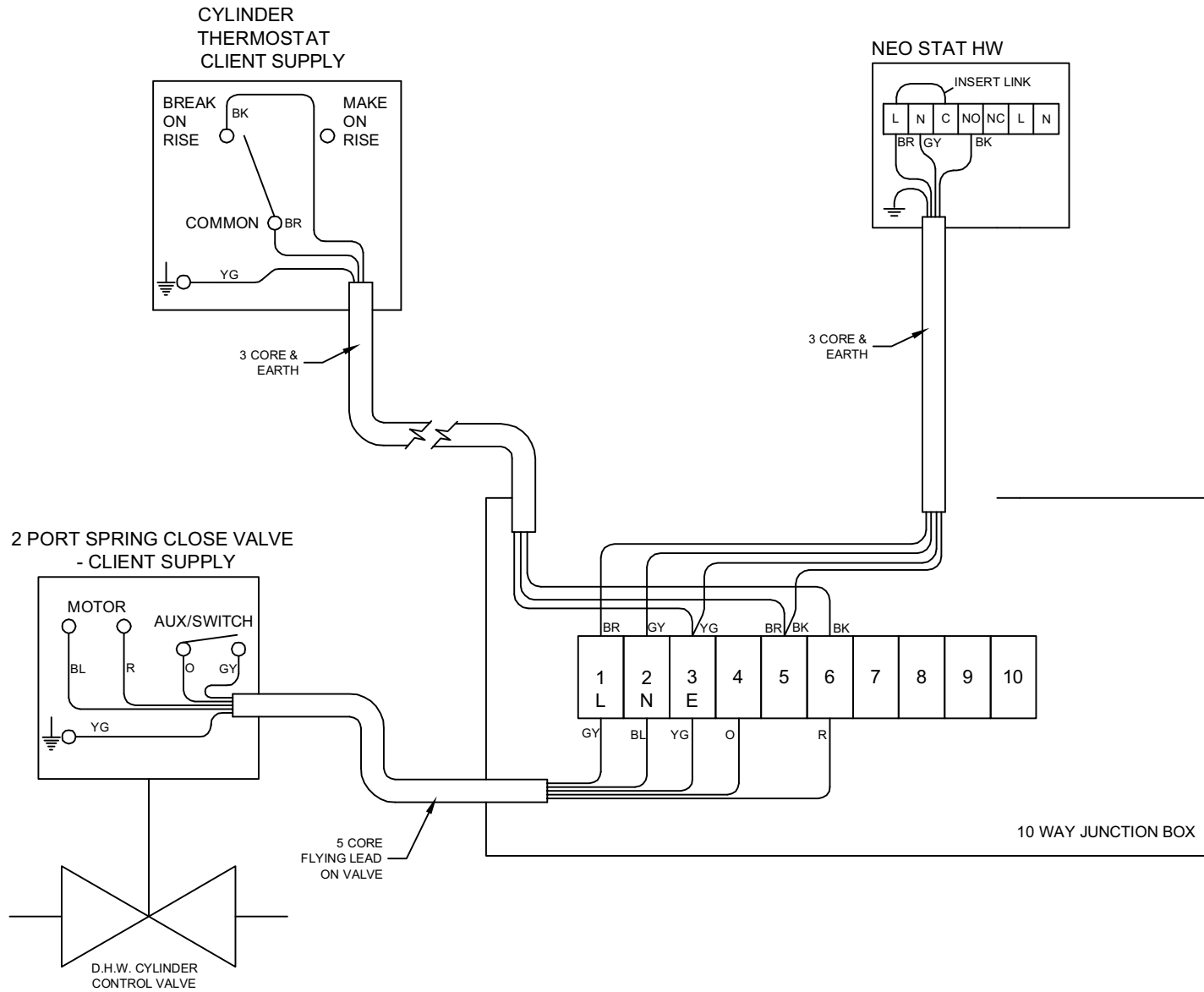


THE ABOVE SHOWS A SCHEMATIC OF A HEATING SYSTEM COMBINING UFH, A DHW CYLINDER & TOWEL RAILS. FEED, EXPANSION, FILLING, DRAIN VALVES, PRESSURE VESSELS AND SAFETY VALVES HAVE BEEN OMITTED FOR CLARITY. THESE MUST BE FITTED IN ACCORDANCE WITH EQUIPMENT SUPPLIERS INSTRUCTIONS AND COMPLY WITH LOCAL BYLAWS AND SAFETY LEGISLATION.

THE SYSTEM SHOULD BE ARRANGED WITH EACH TYPE OF HEATING EQUIPMENT ABLE TO CONTROL THE BOILER AND WORK INDEPENDENTLY OF THE OTHER HEAT EMITTERS.

NOTE:
ALL PIPE SIZES ARE COPPER SIZE
OR EQUIVALENT BORE

DOMESTIC HOT WATER CONTROL WITH UFH ON SAME BOILER



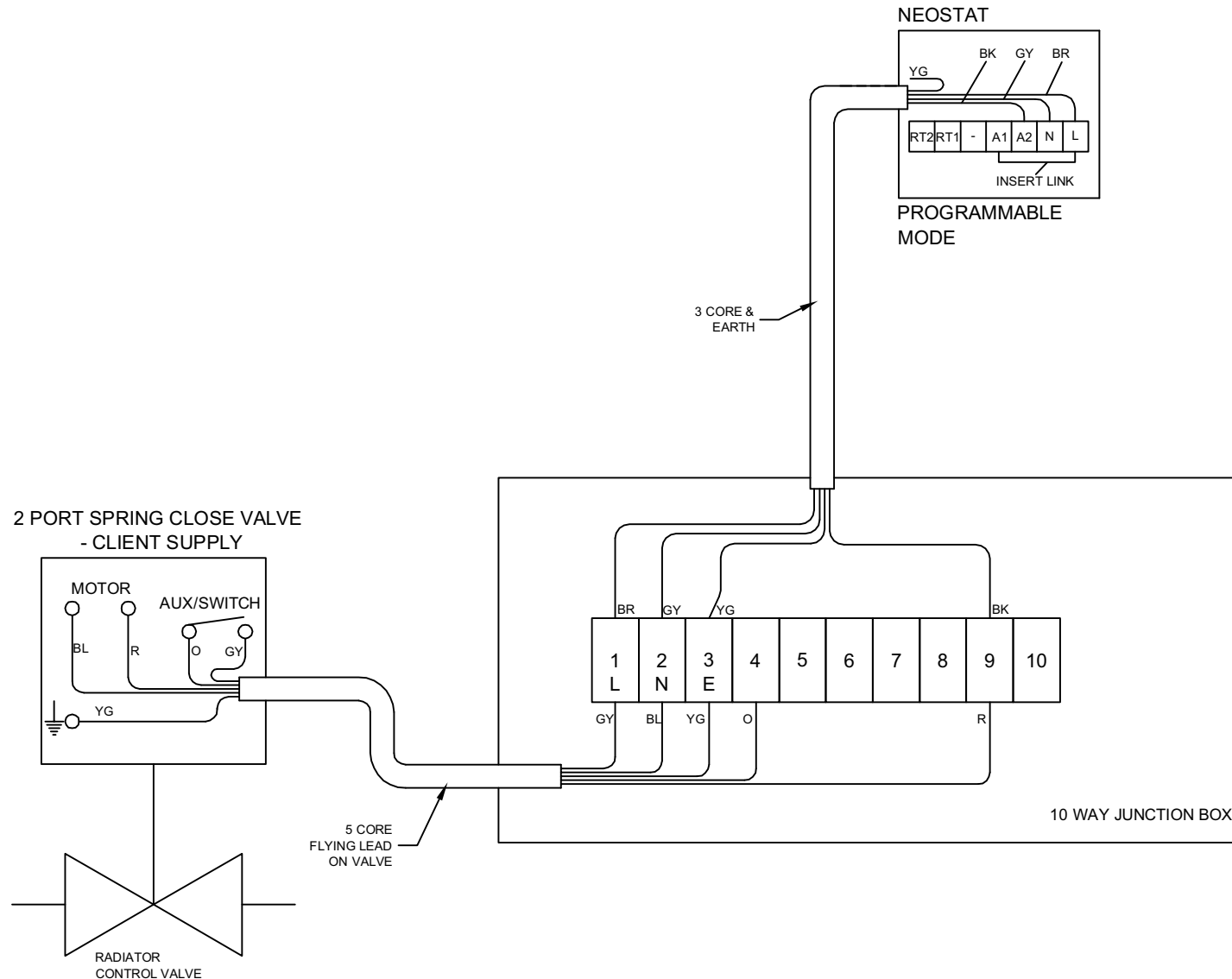
| WIRE COLOUR KEY | |
|-----------------|--------------|
| BR | BROWN |
| BL | BLUE |
| BK | BLACK |
| R | RED |
| YG | YELLOW/GREEN |
| O | ORANGE |
| GY | GREY |

| TERM | FUNCTION |
|------|----------------------|
| 1 | COMMON LIVE |
| 2 | COMMON NEUTRAL |
| 3 | COMMON EARTH |
| 4 | BOILER ON |
| 5 | OUTPUT TO CYL. STAT. |
| 6 | ON SIGNAL CYL. STAT. |
| 7 | DHW. PREF. LIVE |
| 8 | RADS ON IF REQUIRED |
| 9 | |
| 10 | |

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

RADIATOR WITH UFH ON SAME BOILER

(CAN BE USED FOR TOWEL DRIER CIRCUIT)

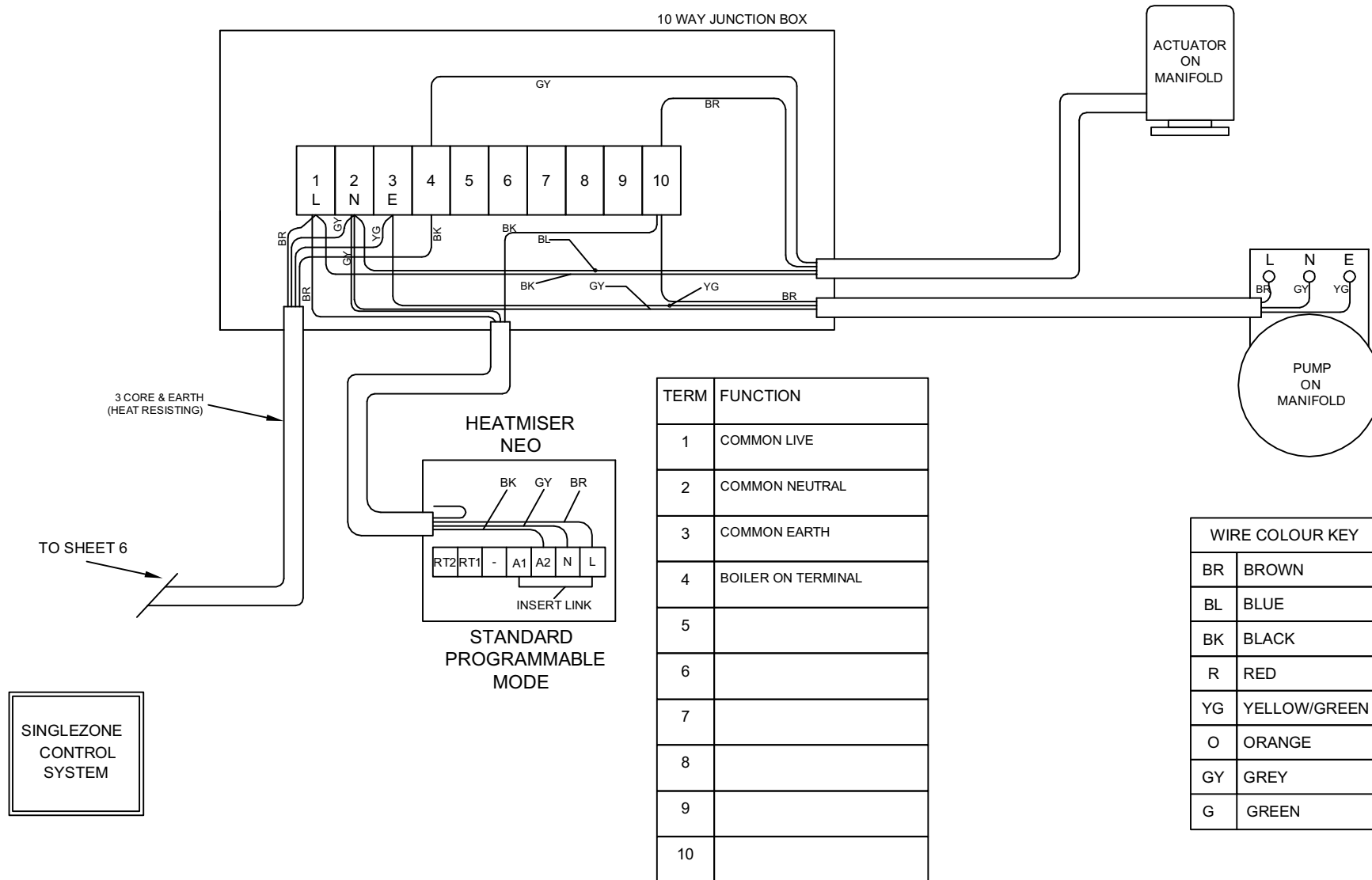


| WIRE COLOUR KEY | |
|-----------------|--------------|
| BR | BROWN |
| BL | BLUE |
| BK | BLACK |
| R | RED |
| YG | YELLOW/GREEN |
| O | ORANGE |
| GY | GREY |

| TERM | FUNCTION |
|------|--------------------------------|
| 1 | COMMON LIVE |
| 2 | COMMON NEUTRAL |
| 3 | COMMON EARTH |
| 4 | BOILER ON |
| 5 | |
| 6 | |
| 7 | |
| 8 | OUTPUT TO RADS ROOM THERMOSTAT |
| 9 | ON SIGNAL RADS |
| 10 | |

ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS

MAINS ISOLATOR/BOILER/BOILER PUMP & 10 WAY JUNCTION BOX WIRING / O.S.



ALL WIRING MUST COMPLY WITH CURRENT IEE REGULATIONS