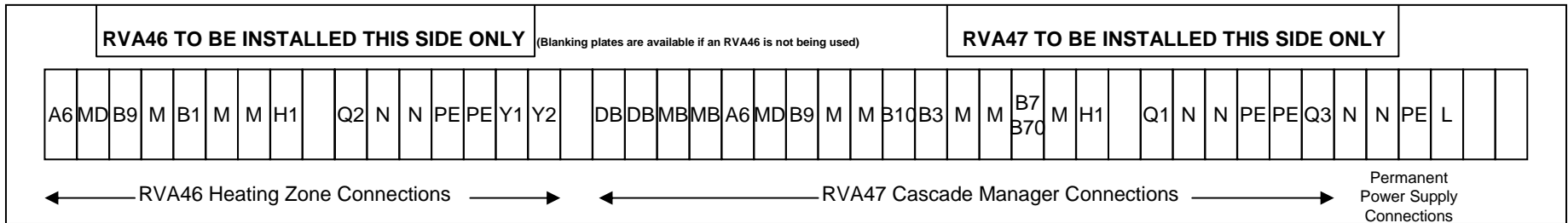




Strata Streamline RVA47 Cascade Manger & RVA46 Heating Zone Controller

Housing Wiring Guide



Legend

General Housing Connections from Right to Left

L.....Permanent 240 Volt Connection for the Housing. N.....Permanent Neutral Connection for the Housing. PE....Permanent Earth Connection for the Housing.

RVA46 Connections From Right to Left

- Y2....Heating Circuit 3 Port Mixing Valve Closed Output 240 Volts Max 1 Amp.
- Y1....Heating Circuit 3 Port Mixing Valve Open Output 240 Volts Max 1 Amp.
- PE....Heating Circuit 3 Port Mixing Valve Earth Connection Terminals.
- N.....Heating Circuit 3 Port Mixing Valve Neutral Connection Terminals.
- Q2....Heating Circuit Pump output 240 Volt Max 2 Amps.
- H1....Volt Free Enable / 0-10 Volt Drive Input for RVA46 Heating Zone.
- M..... Ground for Volt Free Enable / 0-10 Volt Drive input. _{H1}.
- M..... Ground for Mixed Flow sensor. _{B1}
- B1....Mixed Flow sensor. To be fitted to heating circuit after 3 way valve.
- M.....Ground for Outside air sensor. _{B9}
- B9....Outside air sensor for heating circuit. (If alternative sensor is required from RVA47.)
- MD...QAA70 (RE3231) Room Unit Ground connection. (For mixed circuit.) (Not Volt Free Enable.)
- A6....QAA70 (RE3231) Room Unit Power connection. (For mixed circuit.) (Not Volt Free Enable.)

RVA47 Connections From Right to Left

- Q3....240 Volt Output to DHW Charging Pump / Valve Max 2 Amps.
- PE....Earth Connection Terminals for Pumps / Valve.
- N.....Neutral Connection Terminals for Pumps / Valve.
- Q1....240 Volt Output to Heating Pump Max 2 Amps.
- H1....Volt Free Enable / 0-10 Volt Drive Input for RVA47 Cascade Manager.
- M.....Ground for Volt Free Enable / 0-10 Volt Drive input. _{H1}.
- B7/B70.Return Sensor for system. To be fitted to boilers common return pipe.
- M.....Ground for Return sensor _{B7/B70} and DHW sensor of Volt Free Switch Enable._{B3}
- M.....Ground for DHW sensor of Volt Free Switch Enable._{B3}
- B3....HWS Sensor or Volt free Switch Enable
- B10...Flow Sensor for system. To be fitted to system common flow pipe.
- M.....Ground for Flow sensor. _{B10}
- M.....Ground for Outside air sensor. _{B9}
- B9....Outside air Sensor (Weather Compensation). To be fitted to North facing wall.
- MD...QAA70 (RE3231) Room Unit Ground connection. (Not Volt Free Enable.)
- A6....QAA70 (RE3231) Room Unit Power connection. (Not Volt Free Enable.)
- MB...Boiler control output (LPB) Ground connection. (To X41 OCI420 within boiler.)
- DB...Boiler control output (LPB) Power connection. (To X41 OCI420 within boiler.)

Please note: Screened cables must be used for all low voltage, sensor, boiler communication and enabling circuits. The screening must be earthed at both ends.
Boiler communication and room unit connections are polarity sensitive.