



OPTIMUM
UNDERFLOOR HEATING
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**neoSTAT CONTROL -
 UHB WIRING CENTRE (V2-UFH & RAD)
 neoSTAT
 (LOW TEMP. SYSTEM)**

NOTES TO ELECTRICIAN:

NOTE 1 - LIVE LINK CONNECTIONS

All links shown between 'L' and 'A1/B1/COM' terminals must be fitted as shown and labelled accordingly.

NOTE 2 - OPTIONAL UFH ZONE VALVE

These connections are for opening a zone valve serving the UFH manifold. As our system does not require a zone valve on the UFH circuit, the 'Gr' and 'Or' terminals must be linked out as shown.

NOTE 3 - MANIFOLD ACTUATORS

The manifold actuators come pre-fitted with a 2 core cable. These must be connected as shown. A maximum of 4 actuators can be connected to each zone output (i.e. maximum 2 cores per 'L' and 'N' terminal)

NOTE 4 - neoSTAT with REMOTE PROBE FOR WET ROOM

The neoSTAT will be wall mounted outside the 'wet room'. The remote sensor will be wall mounted inside the 'wet room'. The remote probe will be connected to terminals 'L' & 'RT2' in the neoSTAT as shown - this connection is not polarity dependant. The probe is pre-fitted with a 3m length of 2 core cable. If required this can be extended using a small junction box - continuity across the connections must be maintained. The probe will be installed inside a blank sensor case within the 'wet room'.

NOTE 5 - BOILER CONNECTIONS

The connections used for a heat demand for the boiler/primary plant system are shown as volt free. All connections at the boiler/primary plant must be made in accordance with the manufacturer's instructions.

NOTE 6 - COMMON POWER SUPPLY

The mains power to the UHB wiring centre must be supplied from a common 5 amp fused spur which will supply all heating circuits. This will provide a single point of isolation.

NOTE 7 - RADIATOR CIRCUIT CONTROL

A neoSTAT installed in an area being heated via radiators is used to control the time and temperature of the radiator circuit. This thermostat must be wired into the connections for 'ZONE 8'. The slide switch inside the UHB wiring centre must be set to 'RAD'. The radiator circuit zone valve must be connected to the 'L' and 'N' of 'ZONE 8 OUTPUT' terminals in the UHB wiring centre. The auxiliary contacts must be connected to the 'HEAT ENABLE' terminals in the UHB wiring centre. The radiator zone valve must have an earth connection (this could be connected to the 'E' terminal in the UHB wiring centre as shown)

NOTE 8 - 230v OUTPUT FOR UFH PUMP

These connections are to be used to fire the circulating pump supplying the underfloor heating circuits. If required this signal can be taken through an auxiliary contact at the primary plant - this will allow the primary plant system to override whether the underfloor heating system can draw heat or not.

IF YOU HAVE ANY QUERIES REGARDING THE INSTALLATION OR SET-UP, PLEASE DO NOT HESITATE TO CONTACT OUR OFFICE.

CABLES REQUIRED FOR INSTALLATION:

- 230V 1.5mm² 3 CORE & EARTH (earth core not used)
- 230V 1.5mm² 2 CORE & EARTH (earth core not used)
- 230V 1.5mm² 2 CORE & EARTH (earth & brown cores not used)
- 230V 1.5mm² 2 CORE & EARTH (earth & blue cores not used)

PRE-FITTED CABLES:

The manifold actuators and zone valves come with pre-fitted cables. If these cables have to be extended, please ensure that continuity is maintained across all colour coded connections.

ALL MAINS VOLTAGE COMPONENTS, CONNECTIONS AND WIRING MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN.

THE INSTALLATION MUST BE COMPLIANT WITH CURRENT REGULATIONS, BS 7671 & IEC 60364.

IMPORTANT NOTE: ALL THERMOSTATS ARE FLUSH MOUNTED AND REQUIRE A 35mm SINGLE GANG WALL BOX FOR INSTALLATION. THIS DRAWING IS PURELY INDICATIVE AND DOES NOT REPRESENT THE EXACT INSTALLATION FOR THIS PROJECT.

