



OPTIMUM
UNDERFLOOR HEATING
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**neoSTAT CONTROL -
 UHB-RF WIRING CENTRE**
 neoAir
 (LOW TEMP. SYSTEM)

NOTES TO ELECTRICIAN:

NOTE 1 - MANIFOLD ACTUATORS

The manifold actuators come pre-fitted with a 2 core cable. These must be connected as shown. A maximum of 5 actuators can be connected to each zone output (i.e. maximum 2 cores per 'L' and 'N' terminal)

NOTE 2 - UHB-RF WIRING CENTRE & RECEIVER

The UHB-RF wiring centre also doubles up as the wireless receiver for all thermostats. In order for the correct thermostat to operate the correct output, the thermostats have to be paired with the correct UHB-RF wiring centre. First set the rotary switch to a designated board address (i.e. UHB-RF wiring centre controlling UFH manifold set to '0' on the tens scale and to '1' on the unit scale, second UHB-RF wiring centre controlling radiator zone valve and timing domestic hot water set to '0' on the tens scale and to '2' on the unit scale). This will allow the thermostats corresponding to that wiring centre to communicate with the wiring centre via an RF signal (please also refer to the manufacturers instructions on pairing the thermostats with the UHB-RF)

NOTE 3 - neoAir THERMOSTATS

The neoAir thermostats must be paired to the UHB-RF wiring centre. Use the Left/Right arrow keys to scroll to SETUP and press tick key once. The display will now show 01 in the top right hand corner. Press the Down key twice so that P2 shows on the display. Press Tick once. Use the Left/Right arrow keys to set the large digits to the board address of the UHB-RF. This is the number set on the UHB-RF rotary switches. Press Tick once. Small digits in the top right hand corner of the display will now flash. The UHB-RF is an 8 zone receiver. Use the Up/Down buttons to select the zone this thermostat should be linked to. Press Tick to select zone type (Radiators or Underfloor Heating) Use the Up/Down buttons to select UF = Underfloor Heating. Press Tick to finish and confirm settings. Display will return to the main screen. Please also refer to the manufacturers instructions on pairing the thermostats with the UHB-RF

NOTE 4 - HEAT DEMAND 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 5 - COMMON POWER SUPPLY

The mains power to the UHB-RF 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 6 - 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, 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
- 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.

