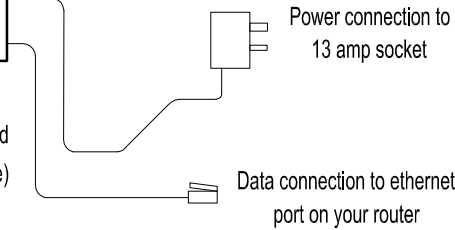
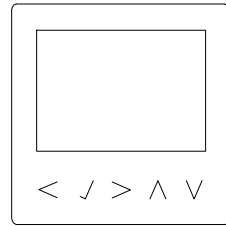


### Ambiente Neo Data Hub

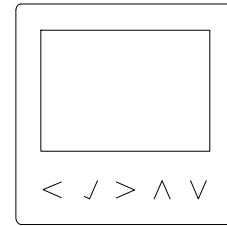
(The Neo Data Hub connects and communicates wirelessly to each thermostat / timer and relays the information via your broadband router to your portable smart device for full control whilst on the move)



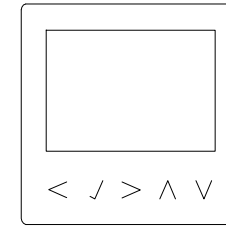
Ambiente Neo Stat (Thermostat 1)



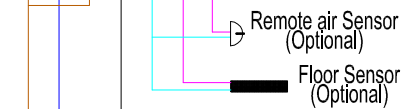
Ambiente Neo Stat (Thermostat 2)



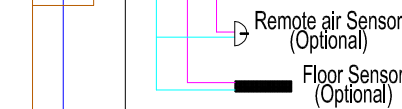
Ambiente Neo Stat (Thermostat 3)



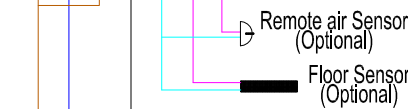
L N A1 A2 - RT1 RT2



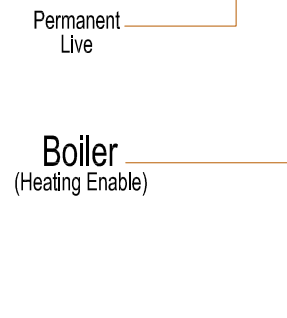
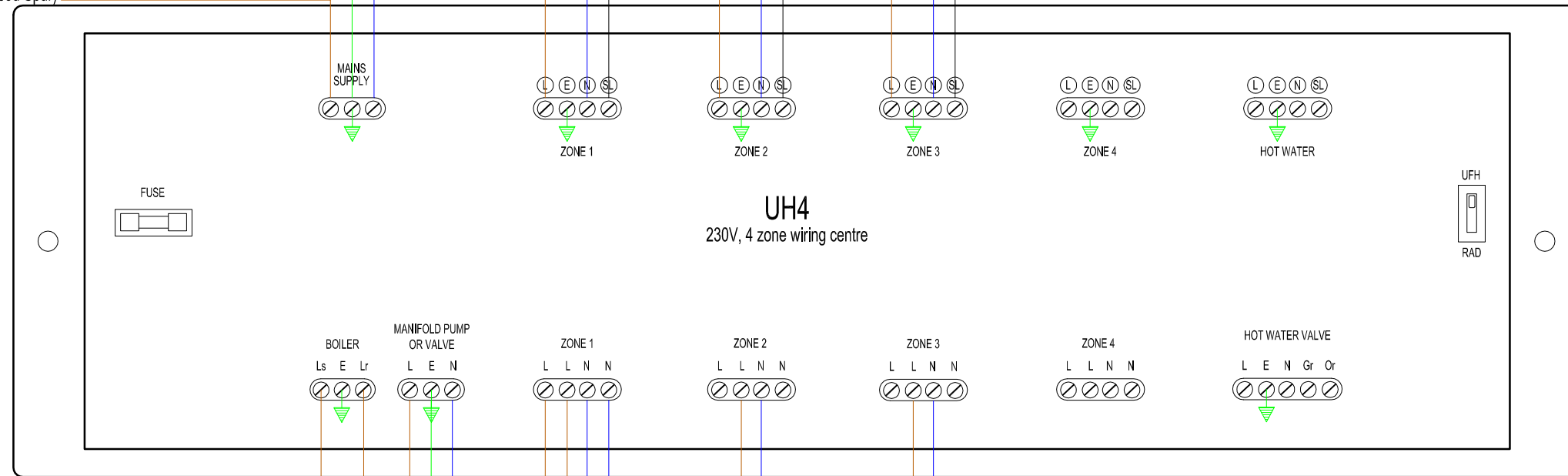
L N A1 A2 - RT1 RT2



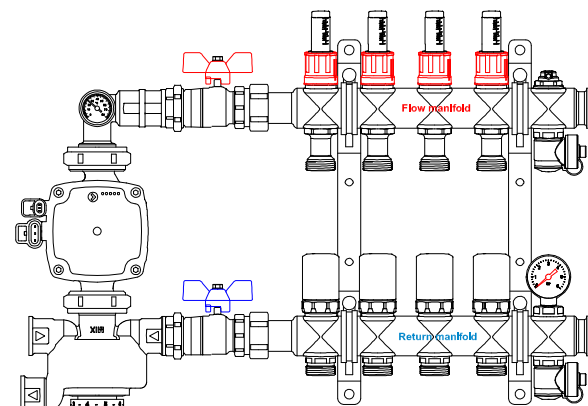
L N A1 A2 - RT1 RT2



230V AC Supply  
(Via Heating/Hot Water System Fused Spur)



(Connection to Thermal Actuators)



UFH Manifold  
(Using 230v Actuators)

**NOTES**  
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ALL DRAWINGS ARE BASED UPON THE INFORMATION SUPPLIED SO THE CLIENT SHOULD SATISFY THEMSELVES THAT THE DESIGN MEETS ALL THE REQUIREMENTS.

**UNDERFLOOR HEATING CONTROLS**  
WE RECOMMEND THE MOUNTING OF THE WIRING CENTRE WHERE IT CAN BE EASILY ACCESSED FOR MAINTENANCE AND NEAR THE MANIFOLD, BUT NOT IMPEDING ACCESS TO THE MANIFOLD AND COMPONENTS. WE RECOMMEND THERMOSTATS ARE MOUNTED ON INTERNAL WALLS AT A HEIGHT OF 1.5 METERS. THEY SHOULD BE MOUNTED OUT OF AREAS OF STRONG SUNLIGHT AND AWAY FROM SOURCES OF HEAT OR DRAUGHT.

### WIRING REQUIREMENTS

From Fused Spur to UH4 Wiring Centre:  
2 cores +E - 2.5mm cable

From UH4 Wiring Centre to Neo Thermostats:  
3 cores +E - 1.0mm cable

From UH4 Wiring Centre to Thermo-electric Actuators:  
2 cores - 1.0mm flex (Actuators come with 1m flying lead)

From UH4 Wiring Centre to Manifold Pump:  
3 core - 1.5mm flex

From Neo Thermostats to remote sensors:  
2 core - 0.75mm cable/flex (Maximum of 50 meters)

From UH4 Wiring Centre to Boiler:  
2 core - 1.5mm cable



more than underfloor

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Project

Standard Ambiente Wiring Diagram

TITLE

UH4 Wiring Diagram with Neo thermostats showing optional remote sensors

SCALE	DATE	DRAWN	CHECKED
N/A	May 2016	RH	RT