



NOTES
 THIS DRAWING IS CONFIDENTIAL AND THE COPYRIGHT PROPERTY OF AMBIENTE SYSTEMS UK. IT IS NOT TO BE DISCLOSED, LOANED OR COPIED WITHOUT WRITTEN PERMISSION.
 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 UH1 Wiring Centre:
2 cores +E - 2.5mm cable
- From UH1 Wiring Centre to PRT/EN Thermostats:
BELDEN 9538 cable, or
CAT5-FTP (Screened / Shielded)
- From UH1 Wiring Centre to Thermo-electric Actuators:
2 cores - 1.0mm flex (Actuators come with 1m flying lead)
- From UH1 Wiring Centre to Manifold Pump:
3 core - 1.5mm flex
- From PRT/EN Thermostats to remote sensors:
2 core - 0.75mm cable/flex (Maximum of 50 meters)
- From UH1 Wiring Centre to Boiler:
2 core - 1.5mm cable
- From UH1 Wiring Centre to Manifold Zone Valve:
3 core - 1.0mm flex
- From UH1 Wiring Centre to DHW Thermostat:
2 core - 1.0mm flex
- From UH1 Wiring Centre to DHW Zone Valve:
5 core - 1.0mm flex
- From UH1 Wiring Centre to Touchpad:
BELDEN 9538 cable, or
CAT5-FTP (Screened / Shielded)



more than underfloor
AMBIENTE SYSTEMS UK
 HERITAGE HOUSE, 1 WOODSIDE LANE
 BELL BAR, HERTS, AL9 6DE
 TELEPHONE 08450 70 38 95 FAX 08450 70 38 96
 EMAIL Info@ambienteufh.co.uk WEBSITE www.ambienteufh.co.uk

Project
Standard Ambiente Wiring Diagram

TITLE
UH1 Wiring Diagram with PRT/EN thermostats showing optional remote sensors (Single Manifold)

| SCALE | DATE | DRAWN | CHECKED |
|-------|----------|-------|---------|
| N/A | May 2016 | RH | RT |