

Uponor

PEX 20 UNDERFLOOR HEATING

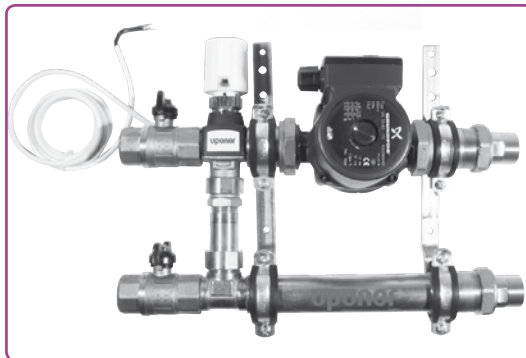
UNIset MINI

The UNIset MINI is a fully pre-assembled package, designed for control of both water temperature and flow rates in the secondary underfloor heating circuits.

Dimensions are:

350h adjustable x 400w x 150d (mm), weight 7.75 kg.

UNIset MINI (Product Code: UPON150).



Pack Contents

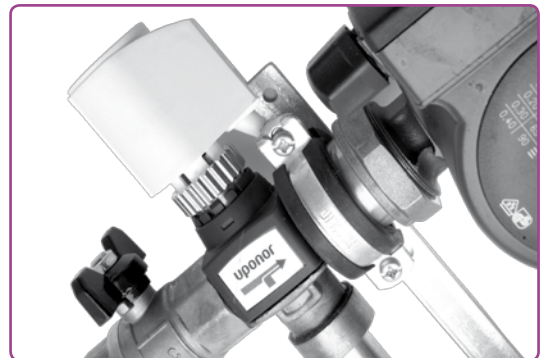
- Grundfos circulating pump (model UPS 25-60)
- Telescopic return pipe for variable manifold centres
- 1" isolating ball valves
- Brass interconnecting pipework
- Mounting brackets with rubber lined pipe clips
- 1" brass coupling set for connection to UFH manifold
- Manifold bracket spacer set
- DUOmix 3-port thermostatic mixing valve
- DUOmix electro-thermal actuator with auxiliary switch

DUOmix TMV & Actuator

The UNIset MINI includes the specially developed DUOmix thermostatic mixing valve (TMV) c/w electro-thermal actuator. The DUOmix TMV has a temperature range setting of 35 – 60°C, and a 3.5 kvs value. It also features a 'failsafe close' operation in the event of electrical power failure. The electro-thermal actuator requires 230 volt supply and incorporates an auxiliary switch, which can be wired to energise the boiler, or other heat source, in the event of a underfloor heating demand.

Room Temperature Controls

The UNIset MINI is compatible with Uponor's range of individual room controls, whether wired or radio versions, or for single zone application.



Performance table

The table below shows the maximum heated floor area, which can be covered using a UNIset MINI.

For Uponor 20 x 2mm PEX pipes	Floor Heat Output (W/m ²)		
	100	70	50
Maximum loop length (m)	Maximum Floor Area (m ²)		
80	125	200	300
100	90	180	280
120	-	150	260

Note:

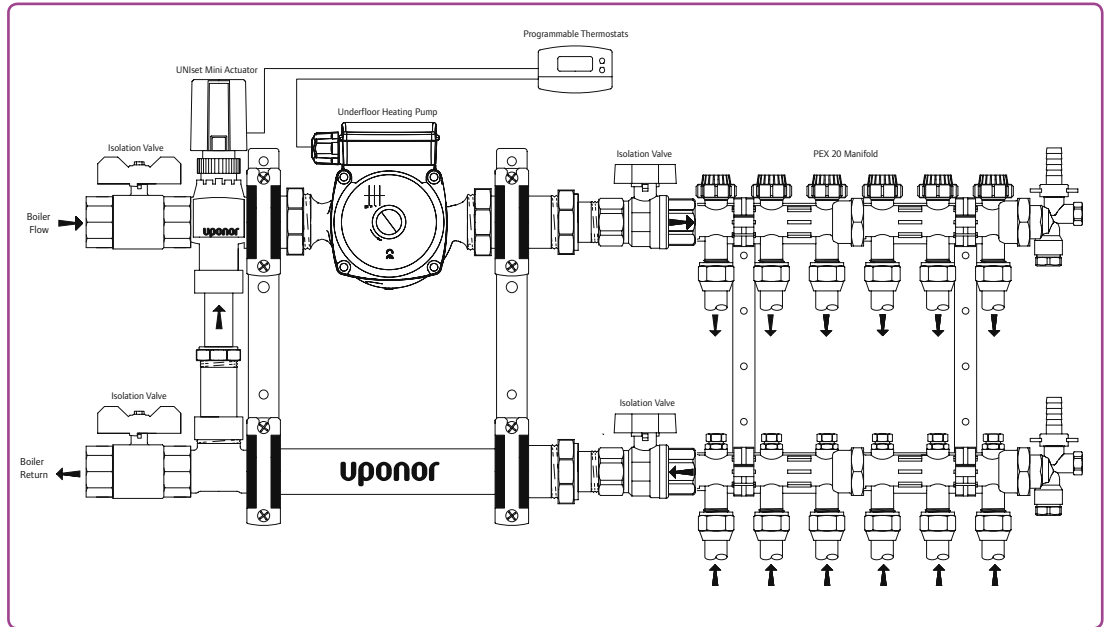
Areas based on 20 x 2mm pipe laid at 300 c/c, dt of 7.5°C and UNIset MINI local to the UFH manifold.

Installation

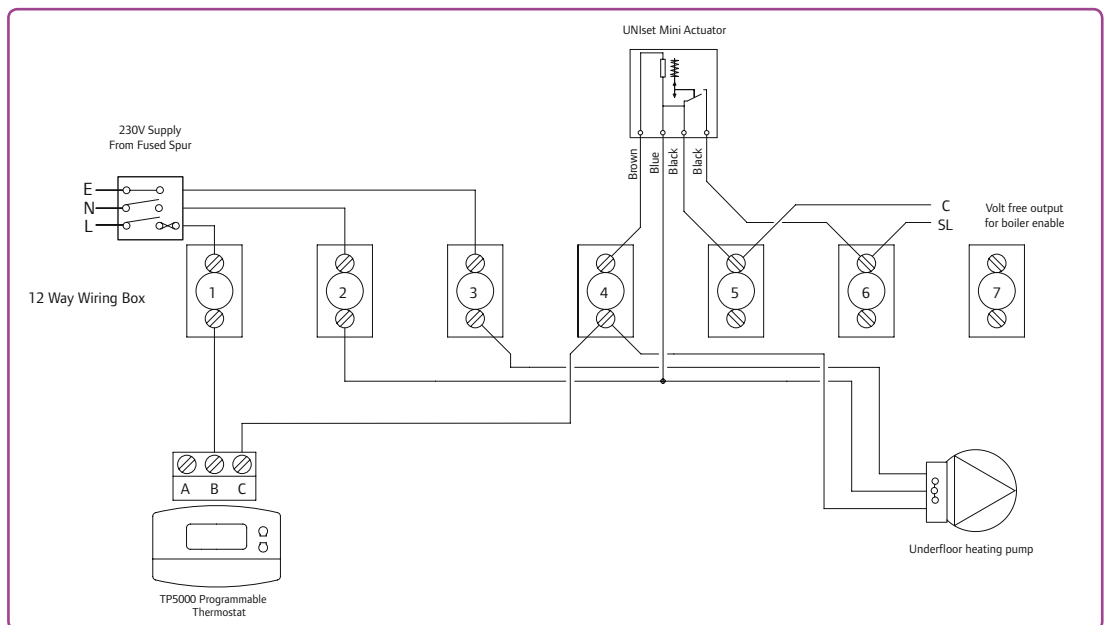
For installation information refer to separate 'Uponor UNIset MINI, MIDI, MAXI Installation Instructions' leaflet. Contact Uponor Technical for specific mechanical and electrical schematic drawings.

Typical Drawings

Mechanical arrangement drawing showing UNiset MINI with WGF manifold (6 x 20mm PEX loops) and single zone control via Programmable Thermostat



Electrical schematic drawing showing UNiset MINI wired for single zone control



All wiring must comply with I.E.E. Regulations

Uponor Housing Solutions Ltd

Snapethorpe House
Rugby Road
Lutterworth
Leicestershire
LE17 4HN

T 01455 550355
F 01455 550366
E hsequiries@uponor.co.uk
W www.uponorhousingolutions.co.uk

Uponor Housing Solutions Ltd - Ireland.

Unit 13, Seatown Business Campus
Seatown Road
Swords
Co. Dublin
Ireland

T 00 353 (0)1 8957430
F 00 353 (0)1 8957434
E hsequiries@uponor.co.uk
W www.uponorhousingolutions.ie