

Heating Only Controls

Application:

Central Heating

The Air Source Heat Pump is used to provide Central Heating using a wet radiator system.

Options

Programmable thermostat controlling heating zone

Or

Room Thermostat
And
Single Channel Programmer

Installation:

Bypass Valve

An automatic bypass valve must be fitted to ensure min flow rate through ASHP.

Time Control

Programmable Room Thermostat

To programme the time the central heating is required to switch on and off. Also to control the room temperature and switch off the heat pump when the required temperature is reached.

Or

Single channel Programmer

To control on /off times of heating

Room Thermostat

To control room temperature

Operation:

When there is a call for heat and the temperature in the property is less than the required temperature setting, a signal is sent to the Air Source Heat Pump and the unit operates.

Once the required temperature is reached the signal is broken and the ASHP switches off.

Commissioning System Controls:

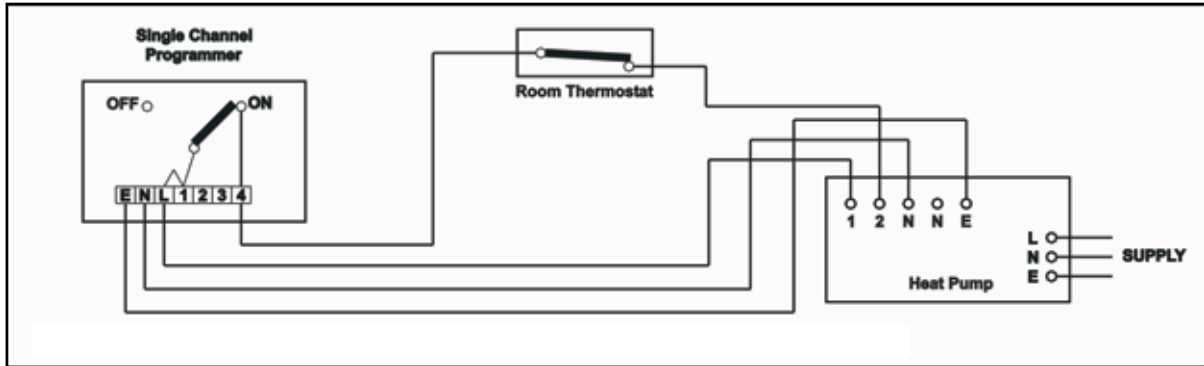
Set the controls to call for heat.

The ASHP will start up and after a short period of time the radiators should start to feel warm.

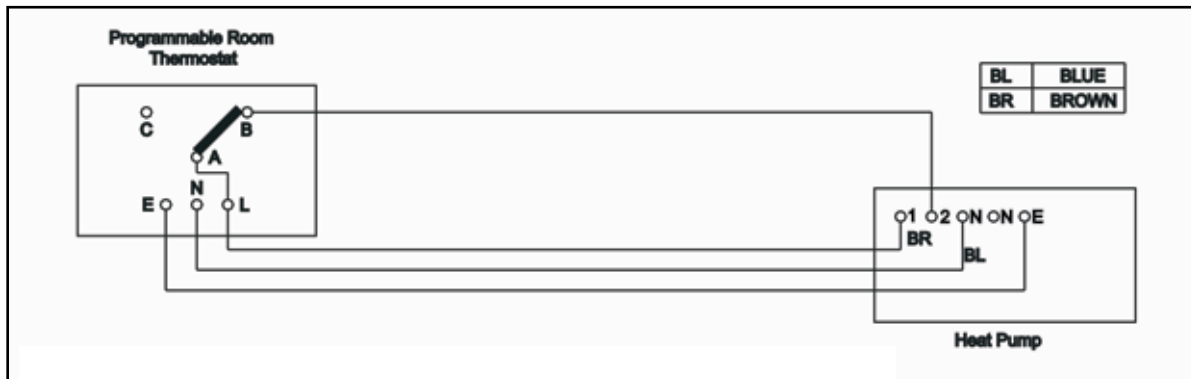
Bleed the radiators as required. Turn the temperature setting down to below the room temperature and the ASHP will switch off.

Set the controls to householder requirements.

Explain to the householder how to change the control settings and how the system works.



Wiring Diagram to show:
Central heating only controller with single channel programmer and room thermostat



Wiring Diagram to show:
Central heating only controlled with programmable room thermostat