



- ⊠ Circulating Pump
- Air vent
- ⊙ Pressure gauge
- ▼ Pressure relief vent
- ⊞ Expansion vessel
- ▲ Non-return valve
- ⊗ Isolating valve
- Temperature sensor
- ⊗ Thermostatic Mixing Valve
- ⊞ Flowsetter Valve
- ≡ Injector Tee
- · - Sensor
- ⋯ Electrical connection
- ⬡ Pipe Thermostat

Thermal Store – Solar Circuit

A simple circuit, the controller turns the pump on if the difference in temperature between the sensor in the solar collector is 10C more than the sensor in the base of the thermal store, and of if it get below 5C difference. The reason it has a coil in the base of the thermal store and doesn't use the water in the store is that antifreeze has to be added to stop the solar collector freezing in winter.