

5.2 Application 2

ROOM THERMOSTAT Control for Space heating or cooling need to be set on the user interface. It can be set in three ways: MODE SET/ONE ZONE/DOUBLE ZONE. The indoor unit can be connected to a high voltage room thermostat and a low voltage room thermostat. A hydraulic adapter box can also be connected. Another six thermostats can be connected to the hydraulic adapter box. Please refer to “ROOM THERMOSTAT in installation manual” for wiring.

5.2.1 One zone control

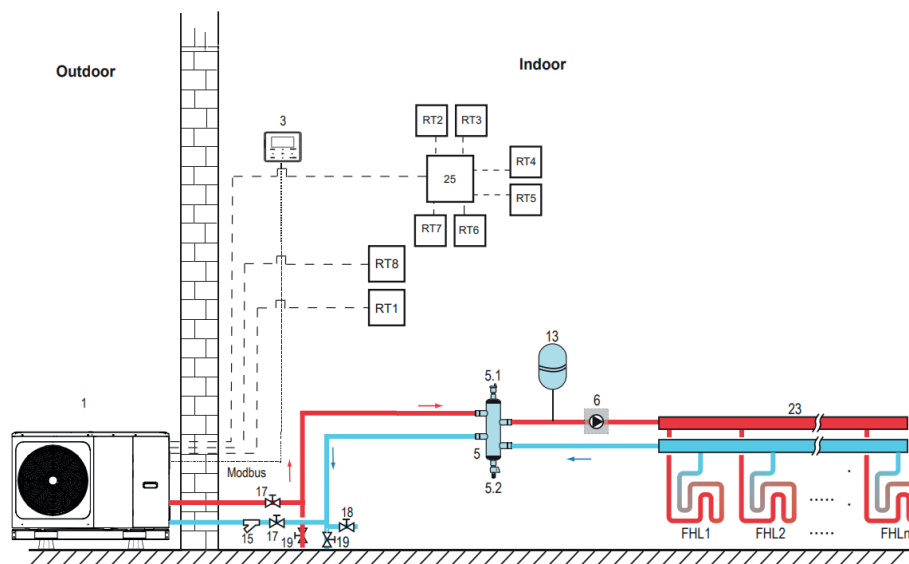


Figure 1-5.2: Application 2-One zone control

Legend			
1	Outdoor unit	17	Shut-off valve (Field supply)
3	User interface	18	Filling valve (Field supply)
5	Balance tank (Field supply)	19	Drainage valve (Field supply)
5.1	Automatic bleed valve	23	Collector/distributor (Field supply)
5.2	Drainage valve	25	Hydraulic adapter box (Optional)
6	P_o: Zone A circulation pump (Field supply)	RT 1...7	Low voltage room thermostat (Field supply)
13	Expansion vessel (Field supply)	RT8	High voltage room thermostat (Field supply)
15	Filter (Accessory)	FHL1...n	Floor heating loop (Field supply)

Notes:

1. The example is just for application illustration; please confirm the exact installation method according to the installation manual.

Space heating

One zone control: the unit ON/OFF is controlled by the room thermostat, cooling or heating mode and outlet water temperature is set on the user interface. System is ON when any “HL” of all the thermostats closes. When all “HL” open, system turns OFF.

The circulation pumps operation

When the system is ON, which means any “HL” of all the thermostats closes, P_o(6) starts running; When the system is OFF, which means all “HL” close, P_o (6) stops running.