

Mono

5.2.2 Mode set control

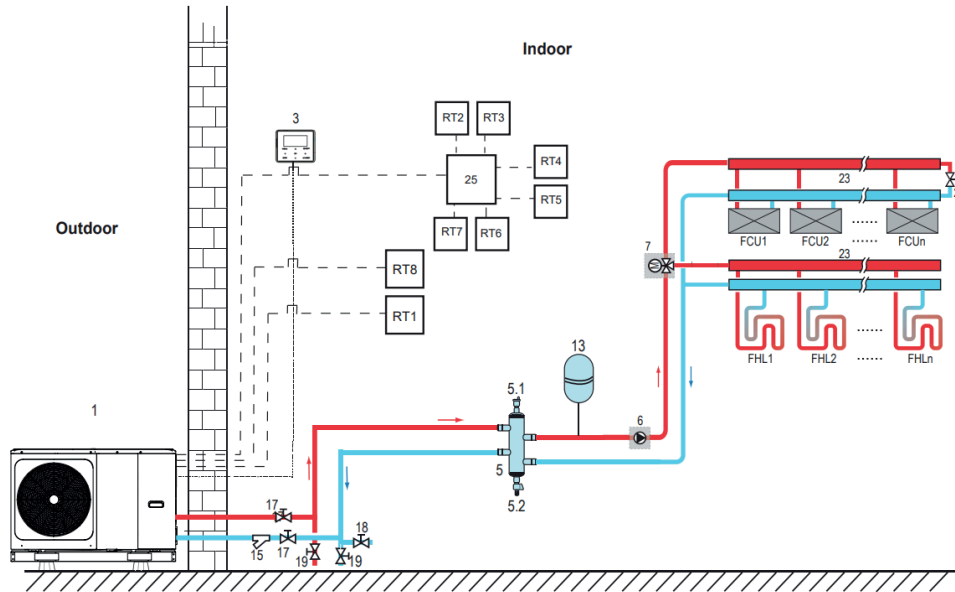


Figure 1-5.3: Application 2- Mode set control

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	24	Bypass valve (Field supply)
6	P_o: Zone A circulation pump (Field supply)	25	Hydraulic adapter box (Optional)
7	SV2: 3-way valve (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)
		FCU1...n	Fan coil unit (Field supply)

Notes:

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

Space heating

Cooling or heating mode is set via the room thermostat, water temperature is set on the user interface. 1) When any "CL" of all the thermostats close, system will be set at cooling mode. 2) When any "HL" of all the thermostats close and all "CL" open, system will be set at heating mode.

The circulation pumps operation

- 1) When the system is in cooling mode, which means any "CL" of all the thermostats closes, SV2(7) keeps OFF, P_o(6) starts running;
- 2) When the system is in heating mode, which means one or more "HL" close and all "CL" open, SV2(7) keeps ON, P_o(6) starts running.