

Technical Data

- ❖ Power Supply: 1.5V*2AA
- ❖ Load Current: 3A
- ❖ Accuracy: ±0.5°C
- ❖ Set-point Temperature Range: 5°C - 60°C
- ❖ Limit Temperature Range: 5-99°C
- ❖ Consumption: <0.3W
- ❖ Temperature Sensor: NTC
- ❖ Size: 86*86*17mm (H*W*D)

Button description

NO.	signal	Description
1		on / off
2	M	Mode key:switch over auto/manual time interval control and temporary manual,long press enter into time interval setting function
3		Time setting:hours,minutes,weeks setting.
4		Higher temperature setting, ^+M and ^+⊕ to increase programmable parameter
5		Lower temperature setting, v+M and v+⊕ to decrease programmable parameter

Function and display

- “” manual control(temporary manual control when flashing,auto control when no this sign display);
- “” it is heating;
- “” open anti-freezing function;
- “” get up in morning,the first time interval; “” go out in morning,the second time interval;
- “” back home at noon,the third time interval;“” go out at noon,the fourth time interval;
- “” back home at night,the fifth time interval; “” sleep at night,the sixth time interval;
- “” Set the advanced LOC to 01 or 02, long press more than 5 seconds to temporarily unlock or unlock

Operation diagram

Time and time interval setting

1)Time setting

Press time key“”, time zone display minute,hour,week,press key“^”or“v”to adjust time.

2)Time interval temperature auto control setting

First step,select time interval first,press “M” screen display“LooP”(cycle control),then press “^”,screen display“12345”(Monday to Friday control mode); press “^” for 2 times,screen display “12345” (Monday to Saturday control mode);press “^” for 3 times,screen display“12345 ”(Monday to Sunday control mode);

Second step,time interval time and temperature setting, when screen display “12345” or “12345” or 12345 ”, press “M”enter into time interval temperature setting,press “” enter into time interval time setting,press“^”or“v” to adjust and save automatically.

Note:when auto control “”will disappear,if need re-set temperature when auto control,can press “^”or “v” to adjust.

3)Modify interval time control setting

Press“M” first, then press “”switch to the time option to modify time of time interval.

Time interval programming

Press menu key“M”,can enter into time interval setting,then press time key“”can enter into interval time setting.

	Period	Icon	Default Period Time	Default Period Temperature
Working Day	1		06:00	20°C
	2		08:00	15°C
	3		11:30	15°C
	4		12:30	15°C
	5		17:30	22°C
	6		22:00	15°C
Weekend	1		08:00	22°C
	2		23:00	15°C

Note:

- 1,The factory default temperature value of time interval 3 and 4 are the same as period 2,please modify default temperature when it's necessary.
- 2,Setting temperature is“00”, this time interval is shutdown.
- 3,View out temperature value (floor temperature)

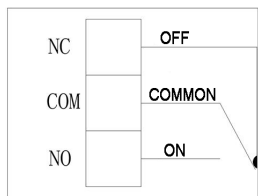
Advanced Setting(suggestion:operated by technician)

(1) Under power off state, first press ⊖ not move, then press ⊕ together enter into advanced setting, it will save after backlight is out, press M to set next data

No.	Symbols	Setting Item	Parameter Setting Function	Factory Default
1	dIF	Return difference of limit temperature value of external sensor	0.5-4.5°C	1°C
2	SVH	Set upper limit temperature value	5-99°C	35°C
3	SVL	Set lower limit temperature value	5-99°C	5°C
4	AdJ	Measure temperature, check and calibration	-5-5°C	0.5°C precision Calibration (actual temperature)
5	FrE	Anti-freezing function	00: anti-freezing function shut down 01: anti-freezing function open	00: anti-freezing function shut down
6	LOC	Child lock	00: unlock 01: lock (except the power on/off) 02: All the function with lock. One minute will activate	00: unlock
67	FAC	Factory default	08: just display, no other meaning 00: Restore factory default	08

Note: hysteresis (return temperature) description: the factory default of external sensor limit temperature (OSV) set as 22°C, external sensor limit temperature hysteresis (dIF) set as 2, when temperature up to 23°C, relay stop output, when temperature drops to 21°C, relay output again and heating. (operation when room temperature lower than setting temperature)

Power wiring diagram



NC: Normal Close Interface (wall-hung boiler or load)

COM: Common Interface (wall-hung boiler or external power input interface)

NO: Normal Open Interface (wall-hung boiler or load)

Installation

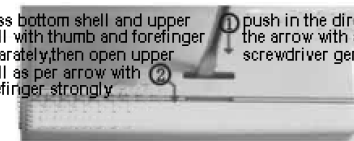
1. See figure 1, install screw expansion rubber sleeves on the wall (screw hole distance is 86mm) or pre-installed 86 box



2. After open upper panel and bottom panel, as connection direction, the required wires penetrate through hole from the back of the bottom panel, leave about 20cm length as per actual situation

At power off state, press “^” first, then press “⊕”, enter into advanced setting.

press bottom shell and upper shell with thumb and forefinger separately, then open upper shell as per arrow with forefinger strongly. push in the direction of the arrow with a word screwdriver gently.



3. After fix the bottom panel on the wall or 86 box, connect wires on terminal (refer to following picture), then close bottom panel and upper panel.

