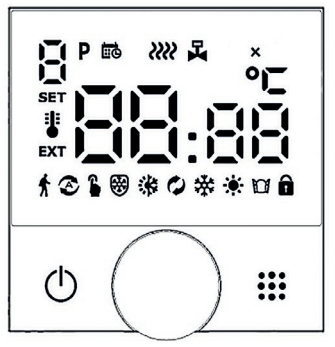
INSTRUCTION MANUAL - TERMOFOL TF-H5 HEATING THERMOSTAT

CHARACTERISTICS

Termofol H5 thermostat is an advanced device designed for optimal management of electric heating systems. Thanks to modern technology, an intuitive interface and many functions, the Termofol H5 thermostat ensures maximum convenience and energy efficiency. Below is a drawing of the thermoregulator display and its basic technical parameters.





SPECIFICATION

Power: 90-240 Vac 50/60HZ
Sensor: NTC(10k)1%
Current: 3A (WW) 16A (WE)
Set temperature range: 1~70°C

Default set temperature range: 5~35°C
Accuracy: ±0.5 °C
Size: 82 x 82 mm (frame)
Degree of protection: IP20

DISPLAY ICON

- Program mode
- Manual mode
- Temporary manual mode
- Holiday mode
- Heating on
- Room temperature
- **SET** Set the temperature
- Child lock
- Clock icon
- Antifreeze
- Blinking, activate window function
- **EXT** External sensor temperature
- Cooling mode,this icon is always displayed when switching to cooling mode and flashes when the cooling load is output

OPERATION KEY

- Short press to turn on/off thermostat. Long press to Lock/Unlock key.
- Power off state ,long press ⏻ + ⁞⁞ to enter advanced option **P**
- Power on state short press to choose manual or auto mode. Long press to program/set time/set holiday mode and so on. Power off state short press to display EXT sensor temperature,long press to set advance options
- — Rotate left-minus
- — Rotate right -plus
- On program mode, rotate the knob into temporary manual mode

SETTING TIME

Turn on thermostat, long press ⁞⁞ to enter setting interface, rotate the knob to choose ,then short press ⁞⁞ to set time, next press ⁞⁞ to choose hour, minute and week, rotate the knob to change the value.

HOLIDAY MODE

Turn on thermostat, long press ⁞⁞ to enter setting interface, rotate the knob to choose ,then short press ⁞⁞ to enter, short press ⁞⁞ to choose days and temperature, rotate the knob to change the value.

PROGRAMMABLE

There are six programming working modes for users to choose:
5+2 (default), 6+1, 7 day (same as every day).

Select the programming working mode from Advanced option A. Turn on thermostat, long press ⁞⁞ to enter setting interface, rotate the knob to choose **P** ,then short press ⁞⁞ to program, short press ⁞⁞ to choose hour, minute and temperature, rotate the knob to change the value. After finished, wait 10 seconds to exist.

P1		P2		P3		P4		P5		P6	
Wake up		Out door		Back home		Out door		Back home		Sleep	
6:00	20 °C	8:00	15 °C	11:30	15 °C	13:30	15 °C	17:00	15 °C	22:00	15 °C

ADVANCE OPTION

Turn off thermostat, long press ⁞⁞ to enter advance option. Short press ⁞⁞ to choose item, rotate the knob to change the value. After setting, the parameters will be automatically saved, press ⏻ or wait 10 seconds to exit the menu.

No.	Items	Parameter	Default
1	Measure Temperature Calibration	-9-+9 °C	-1
2	Temperature return difference	0.5-2.5 °C	1 °C
3	External sensor control return difference	1~9 °C	2
4	Choose sensor	N1 : internal sensor (high temperature protection closed) N2: external sensor (high temperature protection closed) N3: internal sensor for temperature controlling, external sensor for high temperature protection	N3
5	Child lock	0: half lock 1: full lock	0
6	High temperature protection	1: 20°C - 70°C 2: less than 20°C, display【--】 mean closed this function	28
7	Low temperature protection	1: 1°C-10°C 2: more than 10°C display【--】 mean closed this function	5
8	The lowest setting temperature	1-10 °C	5
9	The highest setting temperature	20-70 °C	35
A	Descaling function	0: closed 1: open	0
B	Power with memory function	0:Power with memory function 1:Off state after connecting with power 2:On state after connecting with power	0
C	Programmable	0: 5+2 ; 1: 6+1 ; 2: 7	0
D	Standby display	0: display nothing 1:Standby brightness is weak-bright 2: Standby brightness is semi-bright	2
E	Reset	Long press ⁞⁞ until whole display	Ao
F	Window function triggers temperature	10-20°C,setting temperature is 10°C, decrease it,will display【--】 then canceled this function	--
H	Window function running time	10-20 min	10
L	Heating/Cooling mode	0: heating 1: cooling	0

ADVANCE OPTION P

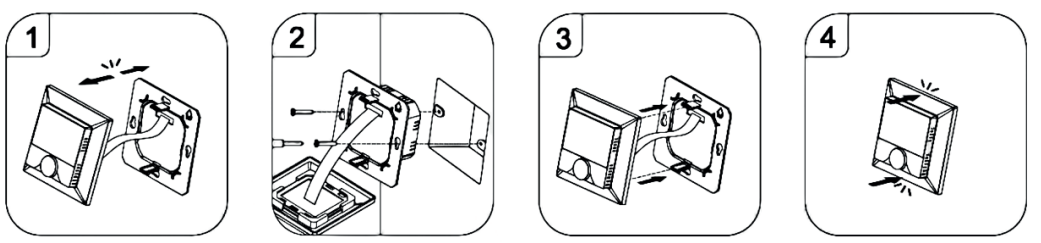
Power off state, long press ⏻ + ⁞⁞ for 3-5 seconds to access advanced option **P**. Rotate the knob to change the value. After setting, the parameters will be automatically saved and exited after holding the interface for 10 seconds.

No.	Items	Parameter	Default
P1	Power consumption of previous day	XXXX Kwh, long press ⁞⁞ to clear the data	
P2	Total power consumption	XXXX Kwh, long press ⁞⁞ to clear the data	
P3	Rate power of heating device	XXXX W, Setting range: 100-3500W	2000W

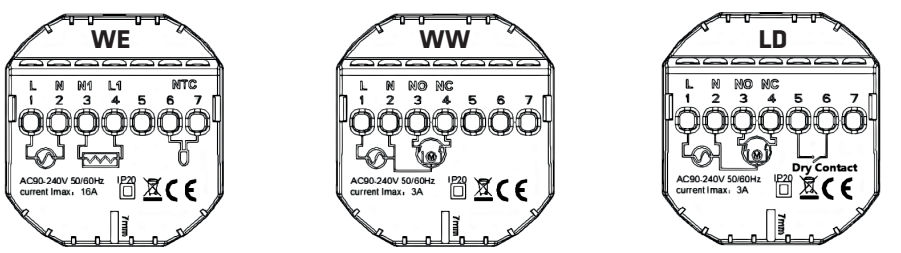
RETURN DIFFERENCE - Limit valve of external sensor is 28°C for factory default (6), value of external sensor control return difference (3) is 2. when temperature rise to 28 °C,then relay stop working and will remind high temperature protection alarm . If temperature decline to 5 °C relay continue to work and alarm will be relieved. (it can be operated, only when indoor temperature is lower than setting temperature).

SENSOR FAULT DISPLAY - Please choose correct working way of built-in and external sensor, if choose wrongly or sensor fault (breakdown), “E1” or “E2” will be displayed on the screen. Thermostat will stop heating until the fault is eliminated

WIRING AND INSTALLATION INSTRUCTIONS



WIRING



WE - electrical heating

WW - water heating

LD - boiler heating and water heating