

ADVANCED OPTIONS

Advanced options can be classified in two sets.

MODE 1 : Turn off the thermostat. Press **SET** for 3 seconds. It will display A01-A09. Then press **SET** to switch between these options.

Mode	Explain	Printscreen
Programming mode	Press "SET" to switch into programme mode (As shown in picture one) Programme illustration 5+2 programme function(advanced options contain of 6+1 and 7 days programme function, you can also cancel this programme function), that is Monday to Friday is the same setting value, and Saturday to Sunday is the same setting value. Every day can be divided into 6 time interval Setting the programme value:long press "PRG" to enter into programme setting mode, then short press "PRG" to switch, press "+" or "-" to adjust value.	
Manual Mode	Press "SET" to enter into manual mode (As shown in picture two), press "+" or "-" to adjust value.	
Temporary manual mode	In programme mode, press "+" or "-" to adjust the value, it will automatic enter into temporary manual mode	

Display symbol	Option content	Press "+" or "-" to adjust value
	Temperature compensation (A01)	Press "+" or "-" key to adjust setting value (0 ~ F F) increment: 0.5°C
	Start differential temperature (A02)	Range: 1°C~5°C: 1. When the setting temperature is higher than or equal to the sum of indoor temperature and the start differential temperature, the heating equipment will turn on. 2. When the indoor temperature is higher than or equal to the sum of the setting temperature and the start differential temperature, the heating equipment will turn off.
	Keypad (A03)	0 half locked: all keys are locked except for the on-off key; 1 full locked, all keys are locked including the on-off key.
	High Temp Protection (A04)	Range: 35~70 When the lowest setting temperature is 35°C, press "-", it will display "-", high temperature protection function is cancelled; if the indoor temperature is higher than the high temperature protection value, the heating equipment will be cut off. Default value is = 45°C
	Low Temp Protection (A05)	Range: 5°C~10°C. When the highest setting temperature is 10°C, press "+" it will display "-", low temperature protection function is cancelled; if the indoor temperature is lower than the low temperature protection value, the heating equipment will turn on. Default value is = 5°C
	Setting Temp Lowest Limiting Value (A06)	Range: 1°C~10°C:
	Setting Temp Highest Limiting Value (A07)	Range: 30°C~70°C
	Week Programme Choice (A08)	MON TUE WED THU FRI SAT SUN represent 7 days programme MON TUE WED THU FRI SAT represent 6 + 1 programme MON TUE WED THU FRI represent 5 + 2 programme "-." represent programme is cancelled
	Transceiver IP Check (A09)	Within 10 seconds after transceiver power on, press "+" key shortly, check transceiver. Check successfully as shown.

MODE 2 :

Turn off thermostat, long press **"PRO"** for 3 seconds it will display B01-B08, then press **"SET"** to switch between these options

Display symbol	Option content	Press "+" or "-" to adjust value
	Version number (b01)	Version number 1.0
	IP high Setting (b02)	Press "+" or "-" key to adjust setting value (0 ~ F F)
	IP low setting (b03)	Press "+" or "-" key to adjust setting value (1 ~ F F)
	Write transceiver IP address (b04)	Within 10 seconds after transceiver power on, press "+" key to send address
	Valve controlling selection (b05)	Press "+" or "-" key to adjust setting value, 0 valve is controlled by thermostat, 1 valve is not controlled by thermostat, Keep valve in closed state
	Descaling function (b06)	Press "+" or "-" key to adjust setting value, 0 turn off, 1 turn on Descaling function: continue to close valve for 100 hours and force to open valve for 3 minutes
	Degrees Celsius and Fahrenheit selection (b07)	Press "+" or "-" key to adjust setting value, 0 turn off, 1 turn on Descaling function: continue to close valve for 100 hours and force to open valve for 3 minutes
	Factory reset (b08)	Display Ao, long press PRG key, show all setting key and factory reset

PAIRING INSTRUCTIONS

- 1) Insert batteries into the Thermostat.
- 2) Ensure that the receiver has a 230v supply and that the NTC probe is wired in.
- 3) Locate the IP number within the Receiver and on the rear of the Thermostat, example IP181013 084F.
- 4) Turn the Thermostat **OFF**.
- 5) Press and hold the PRG button for 3 seconds, until b01 is showing.
- 6) Using the **SET** button, toggle to **b02** to enter the 1st two digits of the IP number with the + and – buttons. In the example above, it would be 18.
- 7) Press the **SET** button and toggle to **b03** and enter the last two digits of the IP number (4F, in the example above).
- 8) Press the **SET** button and toggle to **b04**, at this time slide the switch on the receiver to show the green and orange light, within 10 seconds of sliding the switch press the + button on the stat and 00 will change to a new value.
- 9) Press the power button to return to the home screen.
- 10) To test, use the + and – buttons and increase the SET TEMP to at least 2 degrees above the ROOM TEMP, the heating on symbol should be displayed and shortly after the zone valve/pump will operate.

Hetta SYSTEMS



HS01 RF WIRELESS THERMOSTAT KIT USER MANUAL

USER MANUAL

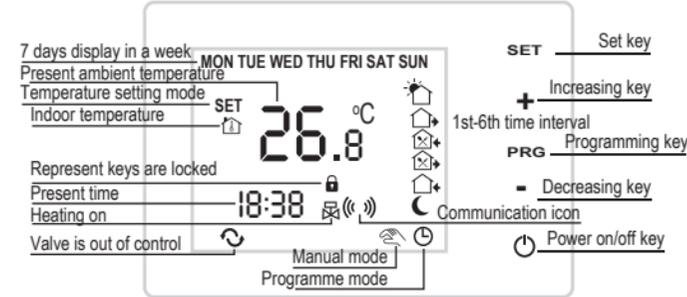




PRODUCT SPECIFICATION

- Power: Two AA* 1.5V alkaline batteries
- Range of temperature display: 0~40°C/32~104°F
- Insulating condition: Normal environment
- Running programme: Set per 1 week as a cycle
- Installation: Wall mounted or on battery seat
- Working environment temperature: 0~70°C/32~122°F
- Range of temperature adjustment: 5~35°C/41~95°F
 - Display accuracy: 0.5°C or 1°F
 - Output: Switch relay
 - Probe sensor: NTC(10k)1%
 - Size(mm): 130*90*27 and 107*78*28
- Contact capacity: 16A/220V(RF electric heating)
5A/220V(RF gas boiler heating)
3A/220V(RF water heating)

DISPLAYS & BUTTONS



OPERATION KEY

NO	KEY	DESCRIPTION
A	SET	Set key: short press to switch programme mode to manual mode. At programme mode, press "+" or "-" to adjust the value. It will automatically enter into temporary manual mode.
B	+	Increasing key.
C	PRG	Clock key: short press to set clock, long press to set programme. Keys locked/unlocked: press "+" and "-" at the same time for 3 seconds.
D	-	Decreasing key.
E	Power on/off key	Power on/off key.

RUN MODE Factory Preset Mode

Interval	Monday to Friday	The default value	Saturday and Sunday	The default value
1st	06:00-08:00	20°C	06:00-08:00	20°C
2nd	08:00-11:30	15°C	08:00-11:30	15°C
3rd	11:30-13:30	15°C	11:30-13:30	15°C
4th	13:30-17:00	15°C	13:30-17:00	15°C
5th	17:00-22:00	22°C	17:00-22:00	22°C
6th	22:00-06:00	15°C	22:00-06:00	15°C

SENDING CONDITION OF THERMOSTAT

- Send once every 20 minutes
 - Press on / off key
 - Switch over output state
- ☞ ☞ Communication instruction, be long bright display in normal communication and blinking display in abnormal communication

TRANSCEIVER TIPS

Transceiver LED display indication:

- Power light (green light): bright when power is on.
- Signal light (orange light): long bright light within 10s after power on (match IP), signal light off when it receives match, signal light blinks within 10s when power off.
- Load light/fault light (red light):
 - When no fault: light on when load output, light off when no load output.
 - When fault: light is blinking indicating a fault.
- Signal light blinks once when it does not receive 485 signal for 1 hour (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds.
- IP fault (IP:FFFF), light blinks twice (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds.
- Light blinks 3 times when it does not receive wireless signal for 1 hour (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds.
- Light blink 4 times when built-out sensor is faulty (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds.

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WIRING DIAGRAM

