Hetta
SYSTEMS
UNDERFLOOR HEATING TECHNOLOGIES

HM01RF Touch Screen Battery Thermostat

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Product Summary

This new design heating thermostat is designed to be used with the Hetta Wireless Wiring Centre HWC018RF. With a large LCD display it can be positioned within the building, without extra cables.

Technical Data

- Power supply: 1.5V*2
- Load current: 3A
- Consumption: <0.3W
- Temperature sensor: NTC
- Accuracy: ±0.5ºC
- Set-point temperature Range: 5ºC - 60ºC
- Limited temperature range: 5-99ºC

Button description

On / off

Mode key: Press to switch between auto/manual time interval control. Allows temporary manual operation and time interval pre-set function

Time setting: minutes/hours/weeks

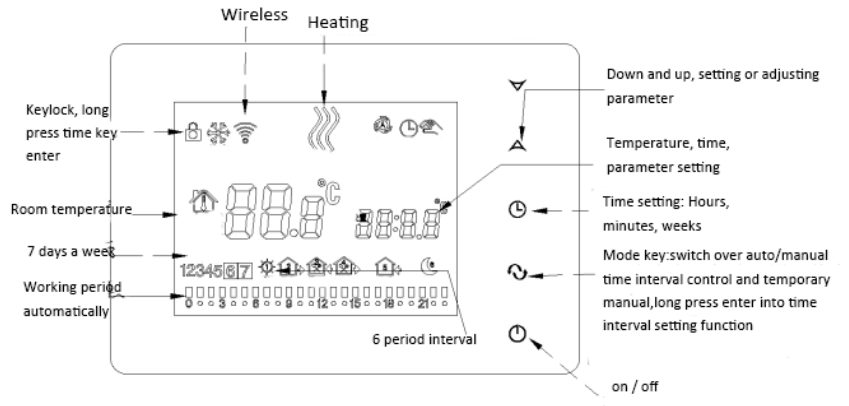
Raise temperature setting, ∧+ and ∧+ to increase programmed parameters

Lower temperature setting, ∨+ and ∨+ to decrease programmed parameters

Keylock， press for 5 sec to lock and unlock

Note: If the backlight is not on when the thermostat is in operation, this means the battery power is low, in which case please replace the batteries.

Screen Display



Display Functions

Manual control， Temporary manual control ； Auto control

Water is heating; ；

Morning, the first time interval;

Leaving the house: second time interval;

Lunchtime: third time interval;

Afternoon: fourth time interval;

Evening: fifth time interval;

Night/sleep: sixth time interval;

Anti-freeze function

Time and Programme setting

1) Time setting

Press "◷" enter time setting mode. Each press of "◷" will switch between Hour, Minute & Day (Days being 1234567), use "^"or"v"to adjust settings.

2) Time Period & Temperature Programming

Setting the temperature to 00 ºC will make the time period INACTIVE.

1) Press and hold "↻" button until the display shows "LooP" (cycle control); then, press "^"or"v" to display either "**12345**" (Mon to Fri), "**123456** " (Mon to Sat) or "**1234567** " (Mon to Sun).

2) Press "↻" to enter the 1st time period (icons are displayed for each period) and use "^"or"v" to set the desired temperature, then press "◷" and set the required time. The settings are saved automatically.

3) Press "↻" to switch to the next time period, then "◷" to set the temperature and time.

4) Continue with "↻" to access the remaining time periods.

5) The Auto icon "Auto" displayed when the thermostat is in Auto mode.

Pressing "^"or"v" during a time period will switch over to temporary manual control 临时手动 where the temperature may be set to override the Auto setting. Auto mode is restored at the next time period.

Pressing "↻" switches between Auto "Auto" and Manual modes.

3) Modify time period setting

Press"↻" first, then press "◷"; to switch to the time period option to modify time settings.

Default Time Periods

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

Advanced Settings (suggestion: contact a technician)

In "power off" state, first press and hold ◷, then press ⏻ to enter advanced settings, which are saved automatically once backlight is out. Press ↻ to set next data.

No.	Symbols	Setting Item	Parameter Setting Function	Factory Default
1	dIF	Return limit temperature to value of external sensor	0.5-4.5ºC	2ºC
2	SVH	Set upper limit temperature value	5-99ºC	35ºC
3	SVL	Set lower limit temperature value	5-99ºC	5ºC
4	AdJ	Measure temperature	-5-5ºC	0.5ºC precision Calibration (actual temperature)
5	FrE	Anti-freezing function	00:anti-freeze function off 01:anti-freeze function on	00: anti-freeze function Is off
6	Loc	Keylock	00：unlock 01：all keys locked, except power key 02：all of the keys locked	00：unlock
7	SNP	Alternate parameter	00 01 (Active)	00
8	FAC	Factory default	08: just display, no other meaning 00: Restore factory default settings	08

Wiring Diagram

Please refer to Wireless Wiring Centre User Manual (HWC018RF) for detailed wiring instructions.

It is recommended that a qualified Electrician is consulted, or used for the installation of this product, in accordance with the current IEE Wiring and Building Regulations.

HM01RF Wireless Pairing Instructions

1. Locate the Bar Code within the Wireless Wiring Centre.

2. To set SN code use the following steps:

3. VAL: control valves 1-8, factory default is 1.

1) Turn the Wireless Wiring Centre **ON**.
2) After inserting the batteries, turn the Thermostat **OFF**.
3) Press and hold the **TIME** button and then press the **POWER** button. The Advanced Settings page will now be displayed.
4) Press the **MODE** button until **SNP 00** is displayed, change this to read **01** using the **UP** button. (00 = Inactive 01 = Active)
5) Press the **MODE** button and ensure **FAC 08** is shown, then press the **POWER OFF** button.
6) Within 10 seconds, press and hold the **DOWN** button and then press the **POWER** button. **SN1** and a Flashing Number will now be displayed.
7) Using the **UP & DOWN** buttons enter the first 2 digits of the 14 digit Barcode number, found in the Wireless Wiring Centre, then press **MODE** to display **SN2,** and enter the second 2 digits. Repeat this process to **SN6.**
8) After the sixth 2 digits are entered, press **MODE** again. **CHh** will now show the last 2 digits of the Barcode number.
9) Press **MODE** again to display **VAL** and enter the number of the Zone Valve to be controlled, eg, **02**.
10) Press **MODE** again to go back to the home screen, and test by increasing the SET TEMP to 2 degrees above the ROOM TEMP. After approx. 3 seconds the selected Zone Valve Relay will operate.