Thermostat Instruction

Easy touch Easy warm

APP
for HC90

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INTRODUCTION

"

The HC90 is an intuitive to use programmable thermostat used to control electrical under oor heating systems. HC90 will keep your home at a comfortable temperature while minimizing energy use. The thermostat is controlled with your smartphone via a Wi-Fi connection. Install the app "HEATCOM" on your smartphone to control your electric heating system remotely.

"

TECHNICAL SPECIFICATIONS

Supply voltage: 85-265Vac 50/60Hz

Standby power: $<$1W

Max load: 16A

IP class: IP21

Cable specification: ≤2.5mm^2

INSTALLATION

Step 1:

Loosen fixing screw located in the bottom of the thermostat to get the front panel.

Step 2:

Connect the thermostat according to the Wiring Instruction.

Step 4:

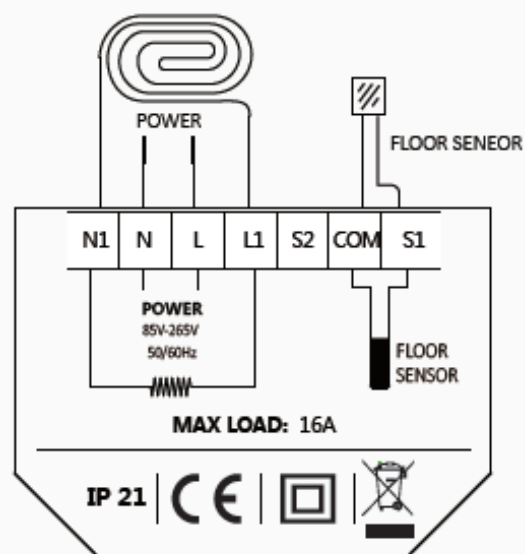Align top part of front panel and back panel to fit these two parts. Then fix them with screw.

Step 3:

Insert the back panel into wall box with provided screws.

WIRING INSTRUCTION

POWER

FLOOR SENEOR

N1	N	L	L1	S2	COM	S1

POWER
85V-265V
50/60Hz

FLOOR
SENSOR

MAX LOAD: 16A

IP 21 | C E | ▣ | 🗑

Suggestion: Please keep the max load around 90% of 16A to prolong the lifetime.

Thermostat symbols

Frost symbol
WiFi
Key lock indicator
Floor Temp
Room Temp
Set
Flame symbol
Temperature
Program Parameter edit
Holiday Parameter edit
Clock Parameter edit
Confirm
Return
Power

MON TUE WED THU FRI SAT SUN   HOLIDAY
WAKE LEAVE RETURN SLEEP   HOLD LEFT

FLOOR TEMP
ROOM TEMP
SET
88.8

EDIT HOLIDAY ⊙ HOLD SETUP

Day indicator
Period indicator
Holiday left
Hold left
Clock
Degrees Celsius
Fahrenheit
Floor limit symbol
Advanced Setup
Hold parameter edit
Down
Up

Wifi connectionion

Step 4:
Click 'WiFi thermostat'.

Step 3:
Click 'Add Device' or '+' on the top-right to add device.
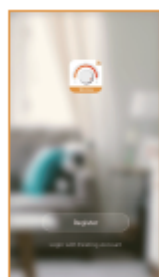
Step 2:
Register and log in with mobile number/email address in the APP.
Attention: Please read and agree 'Privacy Policy and Service agreement' before registration.

Step 1:
Scan the QR code or download the HEATCOM from APP store/ Google browser.

Step 5:

Operate thermostat. If the WIFI icon flash quickly, Click 'Press to connect'.

Step 6:

Enter Wifi password, and click 'Confirm'.

Step 7:

If device added successfully, you can change the device name and set region. Then, click 'Done'.

Attention: If failed, confirm the Wifi is 2.4G version and check the Wifi signals, then, use the 'AP mode' in the top right to connect again.

Step 8:

You can check the actual temperature and set temperature etc. at the control interface.

FUNCTION AND OPERATION

7.1 On/Off

Press ⏻ to turn On/Off.

Note: When frost protection is active, the thermostat will maintain the frost protection temp when it is Off.

7.2 Temporary Override Temperature

The temporary override temp is only valid at the current event and it will not be saved.

On the actual temp interface, press △ ▽ to set temporary override temp.

Press ○ to confirm and back to the actual temp interface.

7.3 Key-Lock

Lock all keys to prevent the settings from being changed. On the actual temp interface, press and hold ↰ for 3 seconds to lock or unlock all the keys.

7.4 Set the Time

On the actual temp interface, press ○ then the 🕘 will flash.

Press ○ to enter day setting.
Press △ ▽ to set day.
Press ○ to enter hour setting.
Press △ ▽ to set hour.
Press ○ to enter minute setting.
Press △ ▽ to set minute.
Press ○ to confirm and back to the day setting interface.

Press ↩ twice to back to the actual temp interface.

* If the thermostat is WiFi version, it will update time automatically after connecting to WiFi.

7.5 Holiday Mode

In Holiday Mode, the thermostat will maintain the set temp until the holiday time ends.

On the actual temp interface, press ○ then the 🕘 will flash.

Press △ ▽ to select HOLIDAY .
Press ○ to enter holiday days setting.
Press △ ▽ to set holiday days.
Press ○ to enter temp setting.
Press △ ▽ to set temp.

Press ○ to confirm and back to the actual temp interface.

* Set the holiday days to zero or double press ⏻ to cancel Holiday Mode.

7.6 Hold Mode

In Hold Mode, The thermostat will hold the set temp until you cancel this mode.

On the actual temp interface, press ○ then the 🕘 will flash.

Press △ ▽ to select HOLD .
Press ○ to enter Hold ON/OFF setting.
Press △ ▽ to set Hold ON.
Press ○ to enter temp setting.
Press △ ▽ to set temp.
Press ○ to confirm and back to the actual temp interface.
* Set hold OFF or double press ⏻ to cancel Hold Mode.

7.7 Edit Setting

Edit Setting can set and change the parameters. If you don't choose Holiday Mode or Hold Mode.
The thermostat runs according to the parameters of Edit.

On the actual temp interface, press ○ then the 🕘 will flash.

Press △ ▽ to select EDIT .
Press ○ to enter day selection of Edit Setting.
Press △ ▽ to select a day.
Press ○ to enter the event selection of the day.
Press △ ▽ to select a event.
Press ○ to select event's starting time.
Press △ ▽ to set the hour of starting time.
Press ○ to enter the minute setting.
Press △ ▽ to set the minute of starting time.
Press ○ to enter the temp setting.
Press △ ▽ to set the temp.
Press ○ to confirm and back to the event selection of the day.

* Press ↩ some times or double press ⏻ to back to the actual temp interface.

Default parameters

| Day	Wake	Leave	Back	Sleep
Mon-Fri	07:00 22.0°C	08:30 19.0°C	17:00 22.0°C	22:00 19.0°C
Sat/Sun	08:00 22.0°C	08:30 22.0°C	17:00 22.0°C	22:00 19.0°C

7.8 Advanced Setting

The thermostat provides advanced settings to suit various special situation. These are normally set by technicians during initial installation.
On the actual temp interface, press ○ then the [⏱] will flash.
Press △ ▽ to select [SETUP].
Press ○ to enter advanced setting.
Each setting can be accessed by pressing ○ and parameters adjusted by pressing △ ▽.

No.	Name	Default	Ranges
1	Room temp calibration	0.0°C	-5.0°C -- 5.0°C
2	Floor temp calibration	0.0°C	-5.0°C -- 5.0°C
3	Anti-frozen function	ON	OF(OFF) ON
4	Anti-frozen temp	5.0°C	5.0°C -- 15.0°C
5	Sensor selection	01: Floor sensor	00: Room sensor 01: Floor sensor 02: Both sensors
6	Floor temp limit	30.0°C	20.0°C -- 50.0°C
7	Temp unit	00: °C	00: °C 01: °F
8	Output delay	00: 00s	00: 00s 01: 30s 02: 60s 03: 90s
9	Temp deviation	01: 1.0°C	00: 0.5°C 01: 1.0°C 02: 2.0°C 03: 3.0°C
10	Reverse output	00: OFF	00: OFF 01: ON
11	Schedule	01: 5+1+1	00: 7 01: 5+1+1
12	Adaptive function	00: OFF	00: OFF 01: ON
13	Reset	00: No	00: No 01: YES

1. **Room temp calibration:** Calibrate the temp detected by room sensor.

2. **Floor temp calibration:** Calibrate the temp detected by floor sensor.

3&4. **Anti-frozen function:** This option allow you to bring warmth to your plant and pet with a lower temp. ✿ displays when you turn off the thermostat.

In hydronic heating system, it will keep away from freezing.

5. **Sensor selection:**

    00 Room sensor: Run by room sensor.

    01 Floor sensor: Run by floor sensor.

    02 Both sensors: Run by room sensor with floor temp limit.

6. **Floor temp limit:** If you choose both sensors, floor temp limit must be set to protect floor.

7. **Temp unit:** °C and °F can be selected.

8. **Output delay:** This option help you avoid inadvertent operation on heating.

9. **Temp deviation:** The deviation is 1°C. The thermostat start to work when the actual temp is 1°C lower than set temp and stop to work when the actual temp is 1°C higher than set temp.

10. **Reverse output:** This function works for the cooling system. When the temp is 1°C higher than set temp, the thermostat will disconnect the cooling system. otherwise, it will connect the cooling system.

11. **Schedule:** Select a weekly schedule for the Edit. There are 2 options:

    7: each day from Mon to Sun can be set individually.

    5+1+1: 5 days from Mon to Fri have the same events, Sat and Sun can be set individually.

12. **Adaptive function:** After several days of installation and use, Adaptive function ensures that the required temp has already been reached when the next event begins.

13. **Reset:** All parameters are restored to default values.

7.9 Open window detection

This function only works when room sensor or both sensors is selected. The thermostat with this function will shut off automatically for 15 min when the window opens, as it can detect that the room temp plummets.
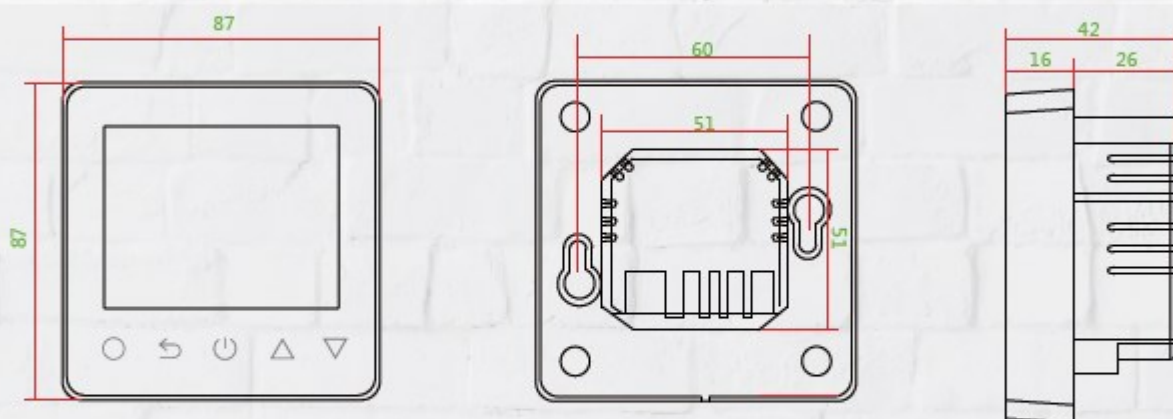
Troubleshooting

E1: Room sensor error.
E2: Floor sensor error.

Dimension(MM)

01

02

INSTALL

04

03

DK

Problem med at forbinde til Heatcom app ?

Løsningen kan findes i nedenstående procedure.

1. Hvis din termostat kan ses i app'en, men offline – kan du starte med at slette den heri (blyant, oppe i højre hjørne)
2. Tryk i appen på "+" (øverst højre hjørne)
3. Tryk "Auto scan"
4. Nederst "Modify Wi-Fi config", sørg for at det netværk du bruger er et 2,4G og indtast password (Hvis det er en dual frekvens 2,4+5G router net du kører på, kan det måske hjælpe hvis der på din router er mulighed for at lave et separat 2,4G netværk)
5. På termostaten, tryk "Return" for at aktivere bagbelysningen
6. Hold de 2 piletaster til højre inde indtil der står "F1" i display, Wi-Fi skal gerne begynde at blinke (det er vigtigt, ellers prøver den ikke at forbinde)
7. Vent indtil termostat dukker op i appen, kan gå 20-30 sekunder (nogen gange hjælper det at trykke på "Auto scan" igen)

(Hvis det er en dual frekvens 2,4+5G router net du kører på, kan det måske hjælpe hvis der på din router er mulighed for at lave et separat 2,4G netværk)

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UK

Trouble connecting to the Heatcom app ?

The solution could be found in the procedure below.

1. If your thermostat is connected to the app, but "offline" – it should be deleted from the app (pencil, upper right corner)
2. In the app, push "+" (upper right corner)
3. Push "Auto scan"
4. Bottom part of the screen, see "Modify Wi-Fi config", make sure that the network used is of the 2.4G type and enter the password for the network
5. On the thermostat, push "Return" to activate the background lighting
6. Push and hold the 2 arrow keys to the right till the display shows "F1", Wi-Fi symbol should start blinking (this is important, if it does not – the thermostat is not trying to connect)
7. Wait till the thermostat appears in the app, there could be a delay of 20-30 seconds (some times it helps to push "Auto scan" again)

(If your router is of the dual band type, 2.4G + 5G, it could help the proces if a separate 2.4G network was configured)