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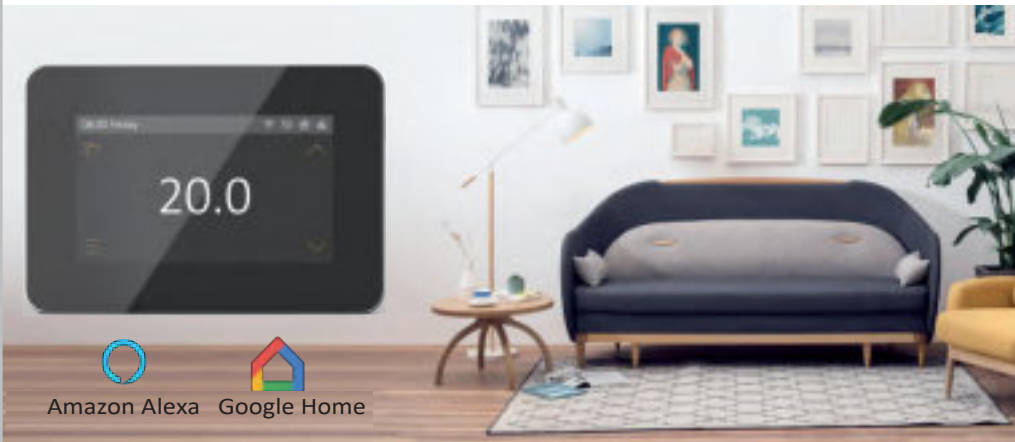
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## CB Smart2 Thermostat Instruction

Easy touch Easy warm



Amazon Alexa Google Home



APP for WiFi thermostat

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## THERMOSTAT DESCRIPTION

The CB Smart2 is a smart thermostat used to control your Coldbuster electric floor heating system. This is the ideal thermostat to keep your home or floor at comfortable temperature whilst minimizing energy use. Install the APP on your smart phone to control your electric heating system remotely with the WiFi capability.



## MAIN FUNCTIONS

- ▶ Auto mode
- ▶ Manual mode
- ▶ Holiday mode
- ▶ Anti-frozen function
- ▶ Floor temperature limit
- ▶ Open window detection function
- ▶ Key-lock
- ▶ Brightness
- ▶ Sensor selection
- ▶ Adaptive function



## TECHNICAL SPECIFICATION

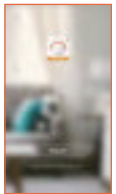
Supply voltage: 85-265Vac 50/60Hz    Standby power: < 2W    IP rating: IP20  
 Max load: 16A electric heating    Wire diameter:  $\leq 2.5\text{mm}^2$



## DISPLAY SYMBOLS



## WIFI CONNECTION



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



**Step 2:**  
Read and agree to the 'Privacy Policy and Service Agreement'. Register and log in with your mobile number/email address in the APP.



**Step 3:**  
Click 'Add Device' or '+' at the top-right to add device.



**Step 4:**  
Click 'WiFi thermostat'.

**Step 5:**  
Operate thermostat. If the WiFi icon flashes quickly, click 'Press to connect'.



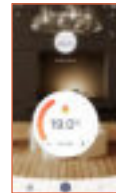
**Step 6:**  
Enter your WiFi password and click 'Confirm'.

**Step 7:**  
Once the device is added successfully, change the device name and set region. Then click 'Done'.



**Attention:**  
If connection fails, confirm the WiFi is the 2.4G version, check the WiFi signals, then use "AP mode" at the top right to connect again.

**Step 8:**  
At the control interface, you can now check the actual temperature and set temperature.



Once connected to WiFi, unit can be connected to either Amazon Alexa or Google Home.

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## FUNCTION & USER OPERATION

### On/Off

Press the button on the right side of the thermostat to turn on/off.

Note: When anti-frozen function is active, the thermostat will maintain the anti-frozen temperature when power is off.

### Temporarily override temperature

On the detected temperature screen, press  or  to change the current event temperature setting. The thermostat will revert to the parameters of schedule at the start-time of the next event in auto mode.

### Mode selection

On the detected temperature screen, press the key at the top left corner to select the mode.

There are 3 modes:



#### Auto mode:

The default mode. Thermostat will run according to event parameters set in Edit Setting to save energy.

Press 'Auto Mode' to confirm and return to the detected temperature screen temperature.




#### Manual mode:

Thermostat will run with the set temperature indefinitely.

#### Steps:

Press 'Manual Mode' to enter temperature setting.

Press  or  to set the temperature.

Press  to confirm and enter the detected temperature screen.






#### Holiday mode:

Thermostat will run with the set temperature until the holiday period ends.

#### Steps:

Press 'Holiday Mode' to enter holiday setting.


Press  or  to set the number of holiday days.

Press  to confirm and enter holiday temperature setting.

Press  or  to set the temperature.

Press  to confirm and enter the page of detected temperature.

### Menu

In the detected temperature screen, press the key  to enter Menu.

There are 5 parameter settings:

## 1. Time

Day and clock are set here.

### Steps:

Press 'Time' to enter day setting.

Press the day you want to enter hour setting.

Press  or  to set hour.

Press  to confirm and enter minute setting.

Press  or  to set minute.

Press  to confirm and return to Menu.

Press  to return to the detected temperature screen .

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


## 2. Key lock

Lock all keys to prevent the settings from being changed.


### Steps:

Press 'KeyLock' to enter key lock setting.

Press  or  to select lock.

Press  to confirm and return to the detected temperature screen.

## Unlock Steps:

On the detected temperature screen, press any key then  (in the bottom right corner) will flash 3 times.

Press and hold  for 3 seconds to unlock.


## 3. Brightness

This option allows you to change the brightness of the display.

### Steps:

Press 'Brightness' to enter brightness setting.

Press  to move up/down or touch any part of the line to set the brightness.

Press  to confirm and return to Menu.

## 4. 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 Edit parameters.

### Steps:

Press 'Edit Setting' to enter days selection.

Press the day you want to set.

Press  to enter event selection.

Press the event you want to set and enter the start time hour setting.

Press  $\checkmark$  or  $\wedge$  to set start time hour.

Press  $\checkmark$  to confirm and enter the start time minute setting.

Press  $\checkmark$  or  $\wedge$  to set start time minute.

Press  $\checkmark$  to confirm and enter temperature setting.

Press  $\checkmark$  or  $\wedge$  to set temperature.

Press  $\checkmark$  to confirm and return to event selection.

Press  $\curvearrowright$  several times to return to detected temperature screen.

#### 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

#### 5. Advanced setting

The CB Smart2 provides advanced settings to suit various special situations. These are normally set during initial installation.

#### Steps:

Press 'Advanced Setting' to enter the screen.

Press  $\checkmark$  to enter the advanced setting screen.

Press  $\checkmark$  or  $\wedge$  to switch page.

Press the item to set its parameters.

No.	Name	Default	Ranges
1	Room Temperature Calibration	0°C	-5°C -- 5°C
2	Floor Temperature Calibration	0°C	-5°C -- 5°C
3	Anti-frozen Switch	ON	ON/OFF
4	Anti-frozen Temperature	5°C	5°C -- 15°C
5	Floor Temperature Limit	30°C	20°C -- 50°C
6	Temperature Tolerance	1°C	0.5°C/1°C/2°C/3°C
7	Temperature Unit	°C	°C/°F
8	Sensor Selection	Floor	Room/Floor/Both
9	Schedule	5+1+1	5+1+1/7
10	Output Delay	0 Sec	0S/30S/60S/90S

No.	Name	Default	Ranges
11	Adaptive Function	OFF	ON/OFF
12	Open Window	OFF	ON/OFF
13	Power Set	0 W	0W -- 4500W
14	Energy Use		
15	Sensor Type	0-3950	0-3950 1-3380 2-3700 3-3600 4-3740
16	Factory Reset	NO	NO/YES

**1. Room Temperature Calibration:** Calibrate the temperature detected by the room sensor.

**2. Floor Temperature Calibration:** Calibrate the temperature detected by the floor sensor.

**3&4. Anti-frozen Functions:** If the Anti-frozen functions are turned on, the room and floor will be kept at a lower temperature to protect pets and plants in your house.

**5. Floor Temperature Limit:** When you choose both sensors, you can set the maximum floor temperature value so the system will stop heating if the floor temperature exceeds this value.

**6. Temperature Tolerance:** The default range is 1°C.

**7. Temperature Unit:** Switch around °F and °C.

**8: Sensor Selection**

**Room sensor:** Run by room sensor.

**Floor sensor:** Run by floor sensor.

**Both sensors:** Run by room sensor with floor limit mode.

**9. Schedule:** Select a weekly schedule for an event.

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

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

**10. Output Delay:** This option helps you avoid inadvertent operation on heating.

**11. Adaptive Function:** After several days of use, this option ensures that the required temperature has already been reached when the next event begins.

**12. Open Window:** This function only works when room sensor or both sensors are selected. The thermostat with this function will shut off automatically for 15min, when it detects that the room temperature has plummeted.

**13&14. Power Set and Energy Use:** This option allows you to enter the various data used to calculate energy use.

**15. Sensor Type:** This thermostat is compatible with the following five floor temperature sensors. (the default sensor is 0-3950 ).



Temperature	The resistance value of the floor sensor at the corresponding temperature point ( $\Omega$ )				
	0-3950	1-3380	2-3700	3-3600	4-3740
0 °C	32800	26050	30286	34423	34720
10 °C	19733	17630	19055	22217	22328
25 °C	10000	10000	10000	12000	12000
30 °C	7905	8331	8165	9869	9854

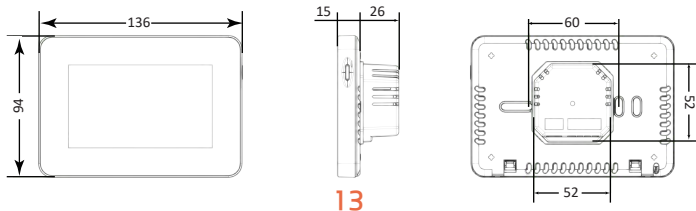
**16. Factory Reset:** All parameters are restored to default values.

## TROUBLESHOOTING

**Room Sensor Error!:** Room sensor short-circuit or disconnection.

**Floor Sensor Error!:** Floor sensor short-circuit or disconnection.

## DIMENSIONS (mm)



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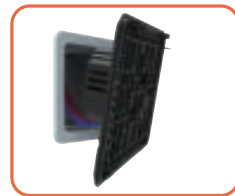
## INSTALLATION AND WIRING INSTRUCTIONS



### Installation



Separate the panel from the back section: insert the screwdriver into two holes under the thermostat and gently pry it. Refer to picture above.



Connect the wire as shown in the wiring instruction.

Step 1

Step 2

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**NOTE:** The CB Smart2 Thermostat should be mounted in a standard 86 type switch box.



Fix the back section to the switch box with screw provided.



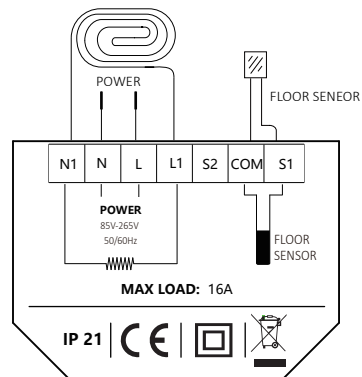
Re-install the front panel whilst ensuring the pins engage properly in the circuit board socket.

Step 3

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Step 4

## Wiring diagram



Caution: Ensure power is disconnected when wiring!

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