

CB Basic and CB Basic Wi-Fi



CB Basic and CB Basic Wi-Fi English V1.1

CONTENTS:

1. Introduction
2. Technical Specifications
3. Installation Guide
4. Wi-Fi Setup (for CB Basic Wi-Fi only)
5. Operation Guide
6. Settings & Weekly Programming
7. Sensor Selection
8. Troubleshooting
9. Dimensions

1. Introduction

Thank you for choosing the Coldbuster CB Basic and the CB Basic Wi-Fi thermostat range. These models are designed to efficiently control underfloor heating systems, with the CB Basic Wi-Fi allowing remote access via the smartphone app.

CB Basic: Standard model with manual control.
CB Basic Wi-Fi: Includes smart control via the smartphone app.

Before installation, read this manual carefully. For support, contact us:

- **Email:** support@coldbuster.com.au
- **Call:** 1800 85 75 65
- **Text:** 0488 855 826

2. Technical Specifications

- Voltage: 230V AC ±10%, 50/60Hz
- Load Capacity: Max. 16A (3680W)
- Temperature Control Range: 5°C – 35°C
- Sensor Type: NTC 10K (Floor & Air)
- Protection Rating: IP21
- Housing Material: Flame-resistant PC + ABS
- Installation: Fits standard wall box

3. Installation Guide

Important: Installation must be carried out by a licensed electrician.

1. Turn off the power at the mains before starting.
2. Install wall box and thread cables through the backplate.
3. Wire the thermostat according to the diagram:
 - L: Live input
 - N: Neutral input
 - Load: Heating system
 - Sensor: Floor sensor (if used)
4. Fix the thermostat to wall box and snap faceplate onto the unit.
5. Turn the power back on and follow setup instructions below.

4. Wi-Fi Setup (CB Basic Wi-Fi Only)

1. **Scan the QR Code or Download the Warmme app**, from the AppStore, or Google Play store.
2. **Register or login** to your account.
3. **Add Device:**
 - Tap "+" and choose "Thermostat (Wi-Fi)"
 - Ensure the thermostat is in pairing mode (Wi-Fi symbol flashes)
 - Press and hold the middle button for 5 seconds to enter pairing mode
4. **Connect to Wi-Fi:**
 - Select your 2.4GHz Wi-Fi network and enter the password
 - Tap "Confirm"
5. **App Configuration:**
 - The app will connect to the thermostat. You can now adjust settings remotely.



5. Operation Guide

Power On/Off
• Press the middle button to turn the thermostat on or off.

Adjusting Temperature

- Use ▲ and ▼ buttons to increase or decrease target temperature.

Mode Switching

- Press and hold the middle button for 3 seconds to switch modes:
 - Manual Mode
 - Program Mode
 - Holiday Mode

Lock/Unlock Buttons

- Press and hold both ▲ and ▼ for 5 seconds to lock/unlock buttons.

Display Symbols

- Sun: Comfort mode
- Moon: Eco/night mode
- Calendar: Program mode
- Wi-Fi: Wi-Fi connection status
- Lock: Key lock active

6. Weekly Programming

The thermostat supports 5+2 weekly programming with 4 periods per day.

Period Time Temp (Weekday) Temp (Weekend)

1	06:00	21°C	21°C
2	08:30	18°C	18°C
3	17:00	22°C	22°C
4	22:00	17°C	17°C

To set program:

1. Press and hold middle button 5 sec.
2. Use ▲/▼ to select period.
3. Use middle button to toggle between time and temp settings.
4. Press again to confirm and move to the next.

7. Sensor Selection

Use the correct sensor for your installation:

Sensor Mode	Description
Air	Uses built-in room sensor
Floor	Uses floor sensor only
AF	Combined air & floor control

To change sensor setting:

1. Turn off thermostat
2. Hold ▲ and ▼ together
3. Turn thermostat on while holding
4. Release when parameters appear
5. Use middle button to scroll to parameter P02
6. Use ▲/▼ to select mode (0 = Air, 1 = Floor, 2 = AF)
7. Press middle button to confirm

8. Troubleshooting

Issue	Solution
No display	Check power supply
Cannot connect to Wi-Fi	Use 2.4GHz network; check password; retry pairing
Heating not working	Check wiring and sensor mode
Inaccurate temperature	Check sensor placement and type
If issues persist, contact support.	

9. Dimensions (mm)

- Height: 123.4mm
- Width: 75.4mm
- Depth: 18.2mm (front) / 83.7mm (rear)

Function and Operation

On/Off

Press ⏻ button to turn on or turn off.

Attention

If you do not use the electric floor heating system for several weeks or months, please set the mode to Anti-frozen mode, set the low temperature or power off from Switch box to save the energy cost. Do not turn off the thermostat through the Reset button. In case, power is restored by third party, thermostat will work based on default setting because of memory function.

Temporary Override Temperature

Override temperature is a temporary temperature setting in Auto Mode and it has no effect on schedule 4-event program.

To do so:

With Active Display press ▲ or ▼ buttons to set temperature. Press the OK button to confirm and return back to active display interface.

Mode Selection

Three Mode is available.

Auto Mode: The thermostat automatically runs according to the weekly-program parameters.

Manual Mode: The thermostat runs according to manually select temperature.

Anti-frozen Mode: The thermostat runs at a lower set temperature. The temperature range can be set from 5°C to 15°C in this mode. This mode is typically used when is unoccupied, and to keep the home at a lower temperature to save energy.

To do so:

With Active Display (backlight on) press OK to activate the menu. The MODE option flashes.

Press the OK button.

Press the ▲ or ▼ button to get mode you need.

Press the OK button to confirm.

If you select manual mode or Anti-frozen mode, you also need to press ▲ or ▼ to set the temperature.

Press the OK button to get back to Active Display.

Key Lock

I want to lock the thermostat menus to prevent the settings from being changed.

Note: For emergency, ⏻ can run.

To do so:

1. With Active Display (backlight on) press ⏻ until lock symbol comes.

2. With Active display, press OK button MODE is flashes.

Press ▲ or ▼ button until the Key lock option flashes.

Press the OK button to set.

Press the OK button to confirm.

Press the OK button to get back to Active display.

To unlock the Key lock:

With Active display, press and hold the ⏻ button simultaneously for three seconds.

Weekly Program Parameter setting

In the auto mode, the thermostat runs automatically according to the setting parameters of the weekly program. The weekly program parameters contain two major parameters: Schedule and Event.

Schedule: Two schedule for a week.

5+1+1: The Event parameter is the same from Monday to Friday, with separate Event parameters on Saturday and Sunday.

7: Separate Event parameters every day.

Schedule Setting:

With Active display, press the OK button. The MODE option flashes.

Press ▲ or ▼ button to get Schedule.

Press the OK button to enter.

Press ▲ or ▼ button to set.

Press the OK button to confirm.

Press the OK button to come back to Active display.

Event: Home

- when I wake up in the morning ☀.
- when I am away at work ⤴.
- when I come home ⤵.
- and at night ☾.

Event: Office

- When I am at office ☀.
- When I get off work ☾.

Temperature in each event can be set.

To do so:

With Active display, press the OK button Mode option flashes.

Press ▲ or ▼ button to get Event.

Press the OK button to get week.

Press ▲ or ▼ button to get the day.

Press the OK button to enter event.

Press ▲ or ▼ button to set the parameters in that event.

Press the OK button to set the temperature for this phase.

Press ▲ or ▼ button to set the temperature.

Press the OK button to set the hour that the temperature start.

Press ▲ or ▼ button to set hour.

Press the OK button to set the Minutes that the temperature start.

Press ▲ or ▼ button to set minutes.

Press the OK button to come back to this phase.

Note: Press ⏻ several times to get back to active display.

Event: Factory Settings for Event

Home	Wake ☀		Leave ☾		Return ⤵		Sleep ☾	
Week	Start time	Temperature	Start time	Temperature	Start time	Temperature	Start time	Temperature
Mon--Fri	6:00	25.5°C	8:00	20.5°C	17:00	25.5°C	22:00	20.5°C
Sat--Sun	8:00	25.5°C	8:30	25.5°C	17:30	25.5°C	23:00	20.5°C
Office	At work ☀		Get off work ☾					
Week	Start time	Temperature	Start time	Temperature				
Mon--Fri	7:00	25.5°C	18:00	20.5°C				
Sat--Sun	7:00	20.5°C	18:00	20.5°C				

Settings

This thermostat also can be used to other application with different setting. It should be set by professional technicians to avoid damage caused by abnormal settings.

To do so:

With Active display, press the OK button MODE option flashes.

Press ▲ or ▼ button to get settings.

Press OK button to confirm.

Setting parameter:

1. Time

Set date and week

Note: When Wi-Fi format connect to internet, the date and week will be updated.

Time Setting:

Get setting. Press ▲ or ▼ button to set time.

Press the OK button to confirm.

Press ▲ or ▼ button to get hour you need.

Press the OK button to set minutes.

Press ▲ or ▼ button to get minutes you need.

Press the OK button to set week.

Press ▲ or ▼ button to get the day you need.

Press the OK button to enter the hour setting of the day.

Note: Press ⏻ several times to get back to active display.

2. Temp Unit

Change the temperature unit (°C/°F) used in the display.

Temp Unit Setting:

Get settings. Press ▲ or ▼ button to get °F/°C.

Press the OK button to enter.

Press ▲ or ▼ button to get the unit.

Press the OK button to confirm.

Press the OK button to come back to active display.

3. Sensor Type

This thermostat can be connected not only to the floor sensor but also to two other commonly used floor sensors. When replace the old thermostat, there is no need to replace the floor sensor for easy installation.

Sensor Type Setting:

Get settings. Press ▲ or ▼ button to get Sensor type.

Press the OK button to enter.

Press ▲ or ▼ button to select sensor type.

Press the OK button to confirm.

Press the OK button to come back to active display.

No.	Senor type	Parameters
00	3950 (Normal one)	
01	3600	R(25°C)=12kΩ R(10°C)=22.2kΩ
02	3700	R(25°C)=10kΩ R(10°C)=19.1kΩ

4. Sensor Selection

This thermostat has floor sensor and built-in sensors to detect room temperature. Therefore, three sensor applications are available:

Room: Controls room temperature based solely on built-in sensors.

Floor: Controls the floor temperature based solely on the floor sensor.

Room Limit: Controls the room temperature based on the built-in sensor, while monitoring the floor, so the temperature does not exceed the upper limit. This application can be used in places such as wood floors where floor temperature is critical.

Sensor Selection Setting

Enter settings. Press ▲ or ▼ button to get sensor selection.

Press the OK button to enter.

Press ▲ or ▼ button to get sensor you need.

Press the OK button to confirm.

Press the OK button to come back to active display.

Note : If Room Limit is selected, then you need to set the maxium temperature that the floor can accept.

5. Calibration

This thermostat has built-in probe and floor sensor calibration function. In the case of demand for higher precision.

Calibration Setting

Enter settings. Press ▲ or ▼ button to get Calibration.

Press the OK button to get room or floor.

Press ▲ or ▼ button to get built-in probe or floor sensor.

Press the OK button to enter calibration.

Tap ▲ or ▼ to adjust the real-time temperature to match the displayed temperature value of the calibration instrument.

Press the OK button to come back to Active display.

6. Location

This thermostat is suitable for use in both homes and offices. For the office, a set of weekly program parameters is built in. See the Weekly Program Parameters section for details.

Location Setting

Enter settings. Press ▲ or ▼ button to get Location.

Press the OK button to get office or home.

Press ▲ or ▼ button to get office or home.

Press the OK button to confirm.

Press the OK button to come back to Active display.

7. Adaptive

The thermostat features an adaptive function that automatically changes heating period start times so as to ensure that the required temperature is reached at the required time.

Adaptive Setting

Enter settings. Press ▲ or ▼ button to adaptive.

Press the OK button to get.

Press ▲ or ▼ to get Yes or No.

Press the OK button to confirm.

Press the OK button to come back to active display.

8. Readout

This thermostat can read the amount of time (in percent) that the heating has been turned on within a certain period.

Readout Setting

Enter settings. Press ▲ or ▼ button to Readout.

Press the OK button to get.

Press ▲ or ▼ button to get 1Day, 30Days and 365Days.

Press the OK button to come back to setting interface.

9. Factory Reset

Factory Reset Setting

Enter settings. Press ▲ or ▼ button to Factory Reset.

Press the OK button to get.

Press ▲ or ▼ button to get Yes or No.

Press the OK button to confirm.

Press the OK button to come back to Active display interface.

Setting Parameters

No.	Name	Default Parameter	Setting Range
1	Time	/	/
2	°F/°C	°F	°F °C
3	Sensor Type	00 3950	00 3950 01 3600 02 3700
4	Sensor Selection	Floor	Room Floor Room.Limit
5	Calibration	0°C	-5°C -- 5°C
6	Location	Home	Home Office
7	Adaptive	No	Yes No
8	Readout	/	/
9	Factory Reset	No	