

USER GUIDE / 01

CaldaConnect

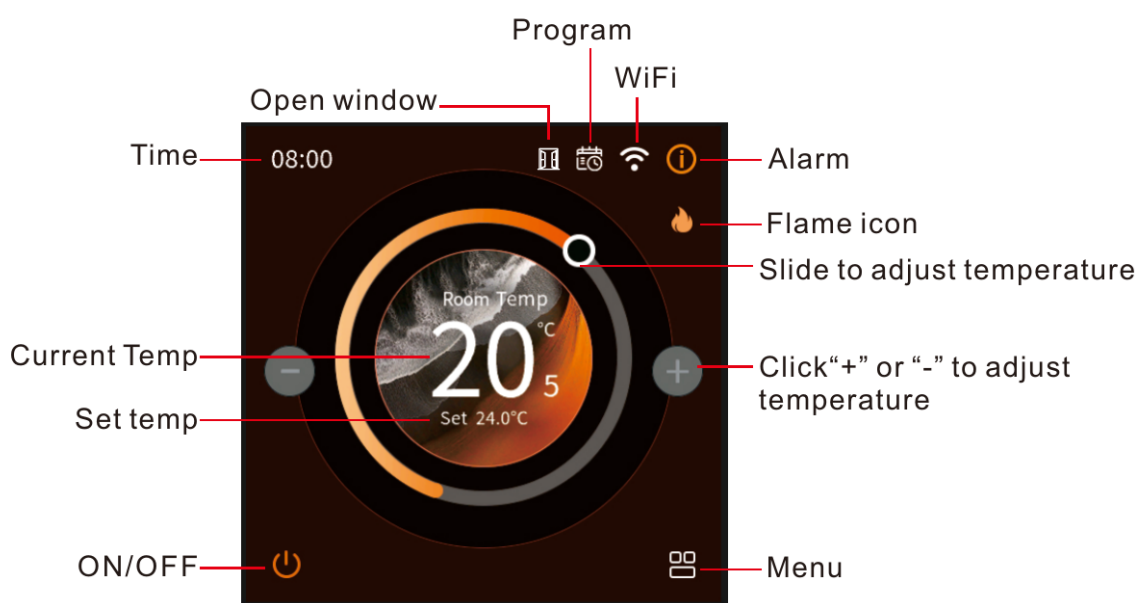
Wi-Fi thermostat

User & installation guide

Model CAL-CC-WI01 · Device reference ZL-2092-01

A 4-inch colour touchscreen thermostat with manual control, a seven-day heating schedule and remote control through the Smart Life app.

Know your screen



Control / indicator	What it does
Temperature dial and + / -	Change the target temperature in 0.5°C steps.
Power icon	Switch between operating mode and the off screen.
Menu icon	Open programmes, Boost, Holiday, Wi-Fi and settings.
Wi-Fi icon	Visible when connected to the internet; hidden when disconnected.
Information / alarm icon	White: no alarm. Yellow: an alarm is present. Tap to view details.

Quick start: tap the screen to wake it, check the time, then set your preferred temperature. The factory setting is Manual mode at 21°C; the heating programme is off.

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Everyday use

Set the temperature

Touch anywhere on the screen to wake it. Slide the circular dial, or tap **+** or **-**, to change the target temperature in 0.5°C steps. The large number is the measured temperature; the smaller “Set” value is the target.

Switch on or off

Tap the power icon to enter the off screen, which still displays the current temperature. Tap the central power icon on that screen to return to normal operation.

Off is a control mode, not electrical isolation. Installation or wiring work requires the electrical supply to be isolated.

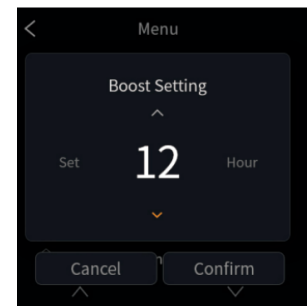
Manual, Program and temporary changes

In **Menu**, select **Manual** to use a fixed temperature or **Program** to follow a schedule. A temperature change during Program mode is temporary: the programme resumes at the next scheduled period. The programme indicator flashes during the temporary change.

Boost

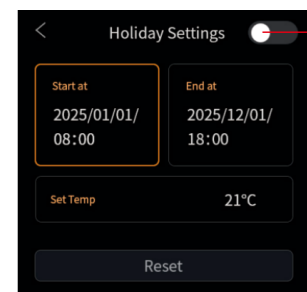
1. Open **Menu > Boost Setting**.
2. Choose a duration from **1 to 12 hours**, in one-hour steps, and confirm.
3. Tap the **Boost** icon in the menu to activate it.

Boost is off by default. The initial duration is one hour. An active Boost displays a countdown.



Holiday mode

1. Open **Menu > Holiday Setting**.
2. Set the start date/time, end date/time and holiday temperature.
3. Slide the switch to the right to enable Holiday mode.

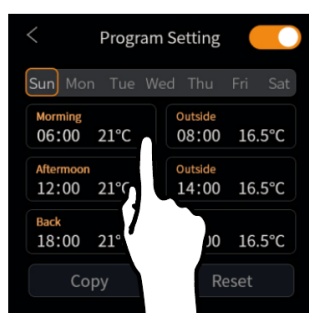


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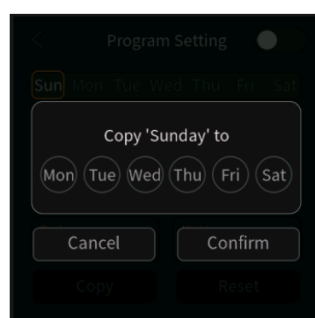
Set a heating schedule

The thermostat supports six periods per day, Monday to Sunday. Each period has a start time and target temperature. Programming is off at the factory; select Program mode to use your schedule.

1. Open **Menu > Program Setting**.
2. Choose the day, then tap the period you want to edit.
3. Set the start time and temperature, then tap **Confirm**.
4. Repeat for the other periods. Select **Program** in the menu to follow the schedule.



Choose a day and period.



Copy the schedule to other days.

Copy a day

Tap **Copy** on the programme screen. Select the days you want to copy the displayed day to, then confirm.

Factory schedule - every day

Period	Start time	Target temperature
Morning	06:00	21°C
Away	08:00	16.5°C
Back home	12:00	21°C
Away	14:00	16.5°C
Back home	18:00	21°C
Sleep	22:00	16.5°C

The times above are the factory values. Set them to suit your routine. If you change the temperature while a programme is running, the schedule resumes at the next period.

Connect to the app

You need: the **Smart Life** app, a **2.4 GHz Wi-Fi** network and its password. Turn on Wi-Fi and Bluetooth on your phone.

Prepare your account

1. Find **Smart Life** in your phone's app store and install it.
2. Open the app and register, or sign in to an existing account. Complete any email verification requested by the app.

Prepare the thermostat

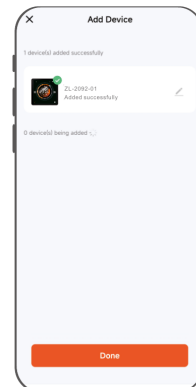
On the thermostat, open **Menu > Wi-Fi Connection > WiFi Setting**. Select **Wifi Mode** as shown below.



The menu also offers AP Mode. Contact Calda if you need help with this alternative connection method.

Add the thermostat

1. In the app's **Home** screen, tap **Add device** or **+ > Add device**.
2. Select the detected thermostat. It may appear as **ZL-2092-01**.
3. Enter the Wi-Fi network name and password, then tap **Next**.
4. Wait for the device to finish adding, then tap **Done**.



What you can control

The device screen provides temperature adjustment, on/off, Manual and Program modes, scheduling, child lock, heat statistics and device information. Boost, Holiday and open-window indicators appear when their functions are active.

The thermostat's Wi-Fi icon remains visible when connected to the internet. If the device is not found, check the 2.4 GHz network, phone Wi-Fi/Bluetooth and the selected thermostat connection mode.

Everyday settings

Open **Menu > Settings**. Use the up/down arrows to move between settings pages.

Setting	Factory default	Function
Brightness	Level 1	Adjust the display brightness.
Screen timeout	15 seconds	Turn the display off after the selected period.
Power-Off Memory	On	Retain saved settings after the power supply is disconnected.
Child Lock	Off	Protect settings from unwanted changes.
Mute	Off	Mute touchscreen operating sounds.
Optimum Start	Off	Adjust the heating start time to reach the programmed temperature at the scheduled time.
Frost Protection	Off	When enabled, heating switches on below 5°C and off when the room reaches 8°C.
Open Window Function	Off	A sharp drop in room temperature triggers heating shutdown. Check for an open window.
Time Setting: clock format	On	On = 24-hour display. Off = 12-hour display.
Time Setting: synchronisation	On	On = time synchronisation. Off = manual time adjustment.
Language Setting	English	English or Chinese.
Engineering Setting	PIN required	Installer configuration. See page 8.

After a factory reset: check the time and your heating settings. The factory clock starts at 08:00 on 1 January 2025. Frost Protection and Open Window Function are off by default.

Alarms & troubleshooting

Tap the information/alarm icon at the top of the home screen to view status information. White means no alarm is reported; yellow means an alarm is present.

The information screen can show external NTC temperature, open-window status, Optimum Start status and the load-relay state. NTC temperature is available only when an external sensor is connected.

Code / alert	Meaning	Heating state
E1	Built-in temperature sensor failure.	Off
E2	External NTC sensor failure. Detection is enabled in Dual or Floor control mode.	Off
E3	In Dual mode, the floor temperature is above the maximum floor-protection limit.	Off
E4	In Dual mode, the floor temperature is below the minimum floor-protection limit.	On
Open-window icon	A sharp fall in room temperature has triggered the open-window function. Check whether a window is open.	Off

E4 is different from the other listed alarms: the thermostat calls for heat when the floor temperature is below its configured minimum. Do not assume every alarm switches heating off.

If a sensor or temperature alarm remains

Note the code and contact your installer or Calda. Installer checks should use the selected control mode, fitted sensor type and temperature limits on page 8. Do not change the limits simply to clear an alarm.

If the programme is not running

Check that Program mode is selected and that the time is correct. Programming is off by default. A temporary temperature change ends at the next scheduled period.

If the app is not connected

Check the connection steps on page 4. The thermostat requires 2.4 GHz Wi-Fi. The Wi-Fi icon is hidden when the internet connection is lost.

Support

sales@calda.co.uk · 0333 050 3630

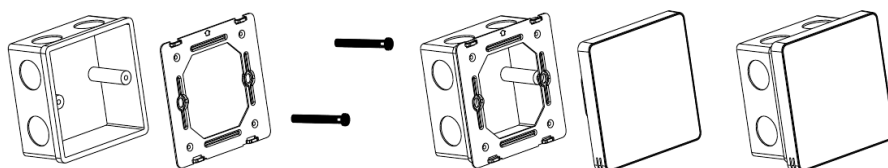
Include the model **CAL-CC-WI01**, any alarm code and a description of the problem.

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Installation & wiring

Mains electrical equipment. Installation and wiring must be carried out by a suitably qualified person. Isolate the electrical supply before working on the unit. The touchscreen off mode does not isolate the supply.

Mount the thermostat



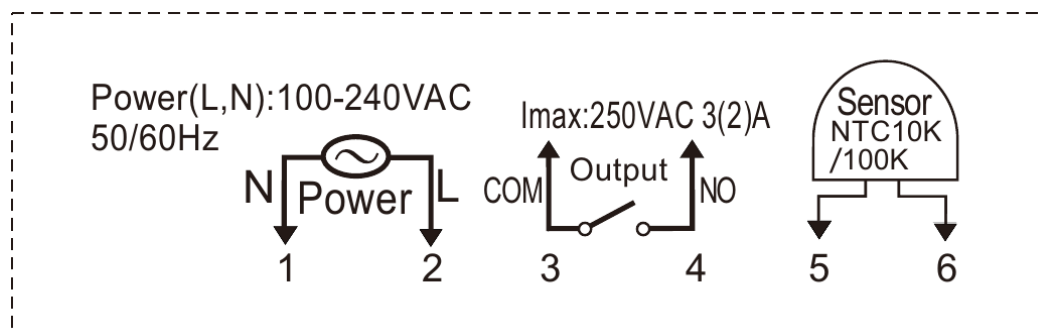
1. Install the steel plate.

2. Mounting screws.

3. Snap on the unit.

Fit the steel mounting plate, secure the mounting screws, then snap the thermostat onto the mounted plate.

Terminal connections



Terminal	Connection
1	N - neutral supply
2	L - live supply
3	COM - output relay common
4	NO - output relay normally open contact
5 and 6	External NTC sensor (10K or 100K)

Supply: 100-240 V AC, 50/60 Hz.

Output rating: 250 V AC, 3(2) A, as marked in the manufacturer's diagram.

The original wiring and mounting illustrations are reproduced above. Match the installer settings to the actual sensor and system. Do not infer an extra link or connection that is not shown in the wiring diagram.

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Engineering settings

Open **Menu > Settings > Engineering Setting**. Enter PIN **1230**. Use the up/down arrows to view further options.

Select the correct control mode

Room (factory default): control uses the internal room sensor.

Floor: control uses the external sensor. The manufacturer describes its reading as displayed in the room-temperature field.

Dual: control uses room temperature with floor limits. Heating stops above the maximum floor limit and is forced on below the minimum floor limit.

Parameter	Default	Available settings
Control system	Room	Dual / Room / Floor
Sensor selection	100K	10K / 100K
Switch differential	1.0°C	0.5-5°C, in 0.5°C steps
Min room temp set	5°C	5-20°C, in 1°C steps
Max room temp set	35°C	28-70°C, in 1°C steps
Min floor temp set	5°C	5-20°C, in 1°C steps
Max floor temp set	40°C	21-70°C, in 1°C steps
Temp correction	0°C	-5 to +5°C, in 0.5°C steps
Linkage port output mode	NC	NO: normally open drive. NC: normally closed drive.
Restore factory default	Not applicable	Confirm to restore all parameters to their factory defaults.

Temperature limits are installer settings. The available adjustment range is not a recommended temperature for a particular floor finish. Use limits appropriate to the installed system and flooring.

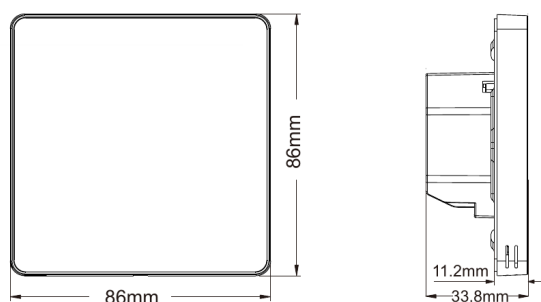
The sensor selection must match the fitted external sensor. The NO/NC setting describes the connected drive type; the physical output terminals remain labelled COM and NO in the supplied wiring diagram.

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Technical specification

Specification	Value
Power supply	100-240 V AC, 50/60 Hz
Relay output	250 V AC, 3(2) A (diagram rating)
Current temperature display range	0-50°C
External / floor temperature display range	0-70°C
Temperature setting range	5-70°C; subject to configured limits
External sensor control / floor protection range	5-70°C; subject to configured limits
Stated accuracy	0.1°C
External sensor	NTC 10K or NTC 100K
Storage conditions	-20 to +70°C; 5-95% humidity, non-condensing
Wi-Fi	2.4 GHz
Display	4-inch IPS capacitive colour touchscreen; 480 × 480 pixels; stated screen size 71.86 × 67.96 mm
Stated unit dimensions	86 × 86 × 12 mm
Ingress protection	IP21

Manufacturer's dimension drawing



The source specification states 12 mm depth. Its side-view drawing separately labels 11.2 mm and 33.8 mm; use the drawing and the physical unit when checking installation clearance.

Calda support

www.calda.co.uk/support

sales@calda.co.uk · 0333 050 3630

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Based on the manufacturer instructions for CAL-CC-WI01.