Amber DT-One Thermostat Control

Amber DT-One Thermostat Control User Guide

Contents

1 Amber DT-One Thermostat Control
2 Product Information
3 Product Overview
4 Setup And Settings
5 Set Your Ideal Heating Programme
6 Frost Protection And Manual Control
7 Error Codes
8 Advanced Settings Overview
9 Dimensions
10 Installation Guide
11 Documents / Resources
11.1 References

Amber DT-One Thermostat Control

Product Information

Product Specifications

- **Model:** DT-One
- **Max Load:** 16A (3600W)
- **Sensor:** Built-in sensor
- **Temperature Calibration:** Adjustable
- **Heating Program Modes:** Manual Control, Programme Mode
- **Sensor Modes:** Internal Only or External and Internal
- **Frost Protection Mode:** Available

Frequently Asked Questions

- **Q:** How do I reset the device to factory settings?
  - **A:** Press the AFAC button to reset the device to its default factory settings. The programming parameters will be cleared, indicated by “—” on the display.
- **Q:** What is the Sensor mode selection for?
  - **A:** The Sensor mode allows you to choose between using the built-in sensor only or both internal and external sensors for temperature measurement.
- **Q:** How do I adjust the limitation temperature?
  - **A:** Navigate to the settings and select the LIT option. You can then adjust the limitation temperature value within the specified range.

Before programming your DT-One please ensure you read through all these settings carefully.

Product Overview

- Up
- Down
- Power
- Manual Control Mode
- Programme Mode Indicator
- Menu
- Heating On
- Clock
- Period 1
- Period 2
- Period 3
- Period 4
- Period 5
- Period 6
- Screen Lock

Setup And Settings

Time & Date Setup

- With the unit on, simply hold the button until the minutes begin to flash (5 seconds)
- Set the correct time by using the △ and ▽ buttons, using the button to switch from minutes to hours and again to edit the day
- Use the △ and ▽ buttons to select the correct day: 1 = Monday, 7 = Sunday
- Tap the button to complete the process

Initiate Advanced Settings

Advanced settings must be configured before programming, to initiate:

1. Switch off the unit by tapping the button
2. Simultaneously hold the and buttons until 1ADJ shows on the screen

Sensor Mode

Air Sensor (IN)

Floor Sensor (OUT)

Air Sensor with Floor Limit (ALL)

- Having initiated the advanced settings, tap the button to switch to Sensor Mode (2SEN) and set to OUT by using the and buttons.
- There are 3 sensor modes available to choose from, Air Sensor Only (IN), Floor Sensor Only (OUTI and Air Sensor with Floor Limit (ALU, you can scroll through these using the and buttons.
- Use the button to switch off and save your settings.

We would recommend Floor Sensor Only (OUT) for wetrooms where the thermostat is located outside the heated area or where the heating is only required for floor warming. Air Sensor with Floor Limit (ALU is used where the thermostat is located within the heated room and the underfloor heating is the primary heat source. DO NOT use Air Sensor Only (IN) with underfloor heating.

Set Your Ideal Heating Programme

With 3 different options available, choose the schedule which best suits your lifestyle. Whether that is all 7 days the same (7day), 5 days and the weekend (5/2), or just 6 days and just 1 separate day (6/1).

- Having initiated the advanced settings, tap the button until you reach (6PRG) to set your programme.
- Use the and buttons to set which programme you require.
- The image above indicates a 7 day schedule. A 5/2 schedule would only show digits 1-5 & a 6/1 schedule would only show digits 1-6.
- Use the button to switch off and save your settings.

Alternatively, you can switch off the heating schedule altogether – simply choose the option Programme off when setting.

Create The Perfect Heating Schedule

Please note down the scheduled times prior to beginning programming
By default, your DT-One will be set to a 5/2 schedule.

To personalise this schedule: Enter schedule mode by pressing the button

5 Day Schedule

1. You will see one of the 6 period symbols and the symbol
2. Hold the button until the first period is displayed on the screen
3. You can then set the start time for period 1 using the and buttons
4. Save your start time by pressing the button, and now use the and buttons to set the desired temperature and press the button
5. Repeat steps for 3 & 4 to set all 6 periods

Weekend Schedule

1. After completing the s day schedule, press the button for weekend heating
2. The time you select will apply for both Sat and Sun

3. Save your start time by pressing the button, and use the and buttons to set the desired temperature
4. Press the button to advance to period 2
5. Set the desired start lime and temperature
6. Finally, press the button to save your 7 day heating schedule.

Frost Protection And Manual Control

Frost Protection

An active frost protection feature will ensure your substrate never falls below 1o·c. Helping to reduce the heat up times and protecting the floor finish from potential damage.

- Having initiated the advanced settings, tap the button continuously until you see the frost protection mode (5LrP)
- Using the and buttons, simply set this to 'ON' to activate.
- Use the button to switch off and save your settings.

Maximum Floor Temperature

- Having initiated the advanced settings, tap the button continuously until you see the maximum floor temperature mode (3Lit).
- Use and buttons to set required temperature
- Press the button to save

Manual Control

- If required you may choose to access manual control of your DT-One. You can easily switch between the manual mode and your custom schedule by tapping the button.
- When in manual mode, you will see the manual control mode icon , and can manually set a desired temperature for your room by using the and buttons.
- The symbol will appear when the desired temperature is set above the ambient room temperature.

Error Codes

ER0

- This relates to a fault with the internal temperature sensor, either through damage or disconnection.

- This usually requires a replacement thermostat to correct.

ER1

- This relates to a fault with the external floor sensor probe.
- Contact your electrician, who can isolate the electricity supply and check the sensor is connected and working correctly.

Screen Lock

In some situations where your DT-One is installed into a location where restricted access is necessary, simply:

- Press and hold the and buttons until the appears on the screen.
- To unlock, simply repeat the process until the disappears.

3 Simple Steps to Factory Reset

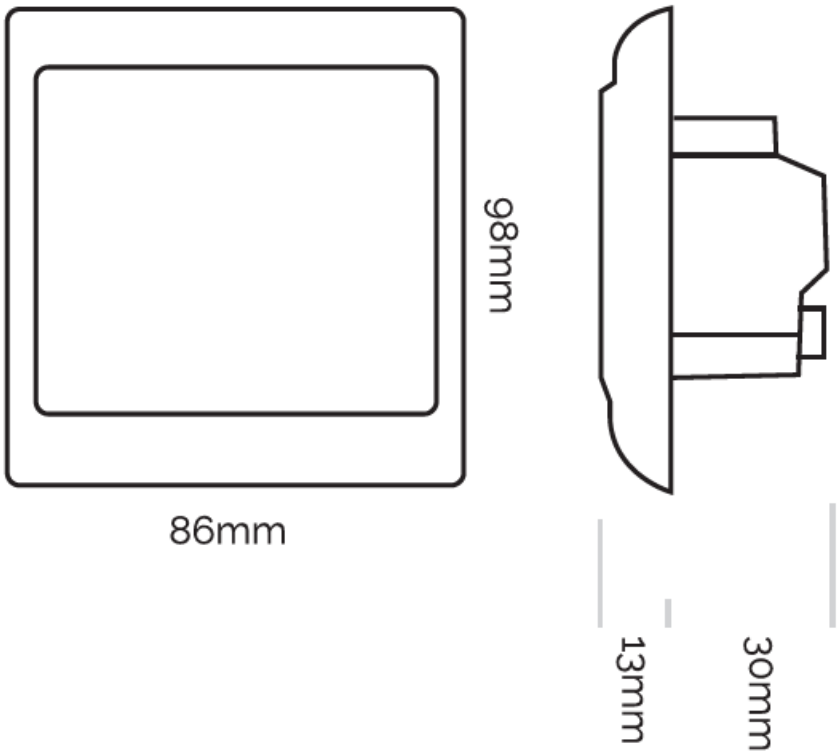
1. Having initiated the advanced settings, tap the menu button continuously until you see AFAC
2. Hold the button until "—" is displayed on the screen
3. Press the button and switch off at the mains to complete factory reset

Please note: the time displayed will not reset and will stay the same prior to factory reset.

Advanced Settings Overview

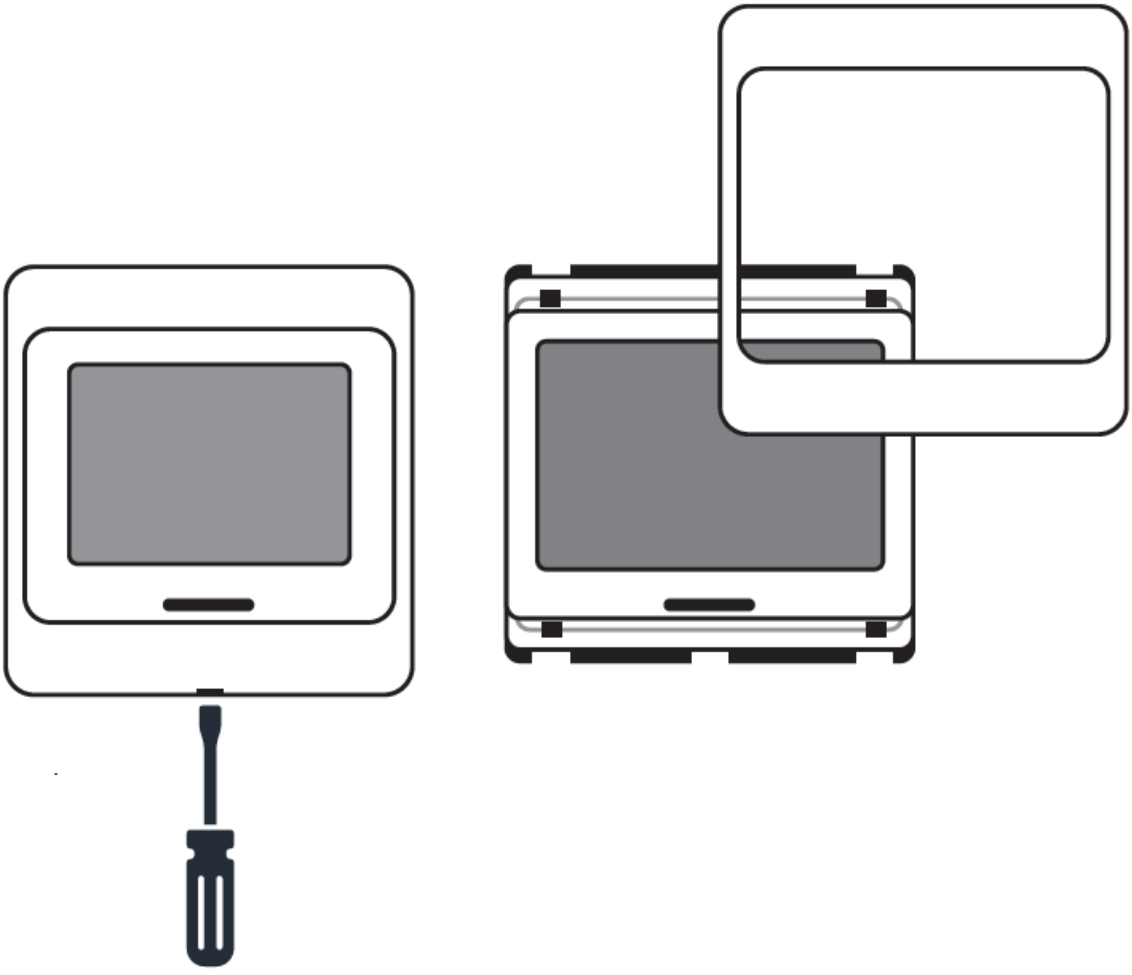
Symbol	Setting	Default	▲ or ▼
1 ADJ	Temperature calibration	N/A	Adjust measured temperature
2 SEN	Sensor mode	IN	IN: built-in sensor OUT: floor sensor ALL: both sensors (floor sensor is the limit sensor)
3 LIT	Max floor temperature	35°C	Adjust limitation value, Limitation range: 5°C~35°C
4 DIF	Switching differential	1	Adjust switching differential
5 LTP	Frost protection mode	Off	Turn on/off frost protection function
6 PRG	Heating schedule	5/2	2: 5/2 day mode 1: 6/1 day mode 0: 7 day mode
7 RLE	Output	N/A	Not Used
8 DLY	Output delay	0	Change the delay time
9 HIT	Max temperature setting	50°C	Max. Limitation temperature setpoint (50°C)
10 AFAC	Reset to factory settings	N/A	Programming parameters will be reset to factory settings when symbol "---" appears

Dimensions



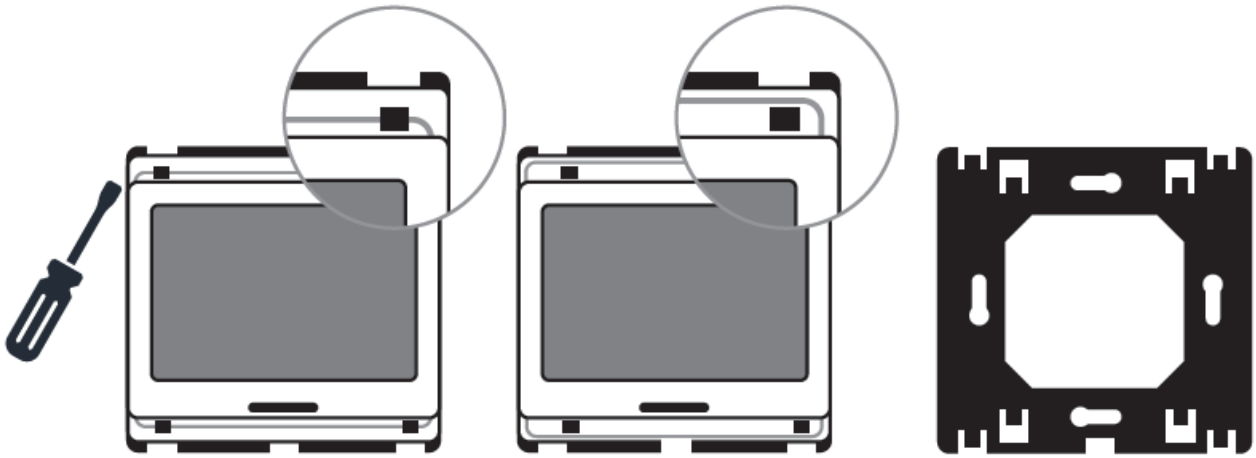
Installation Guide

STEP 1



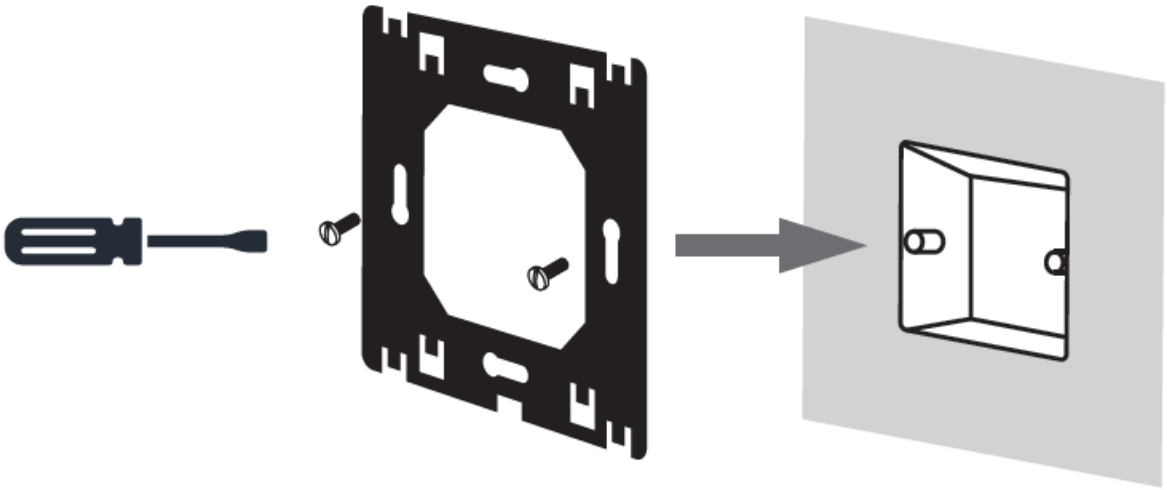
- Release the front cover by inserting screwdriver into the hole on the underside of the front plate

STEP 2



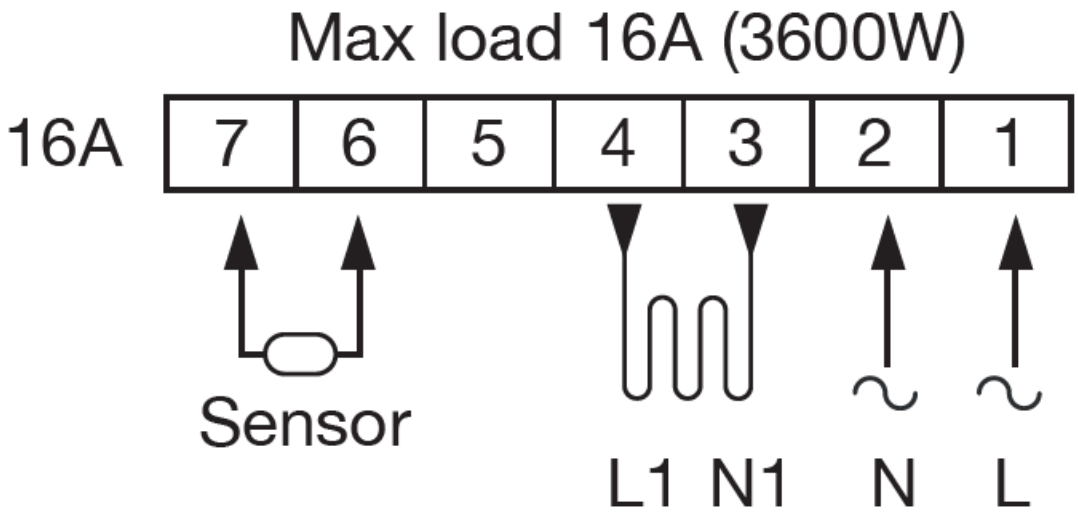
- Take the backing plate apart according to diagram.

STEP 3



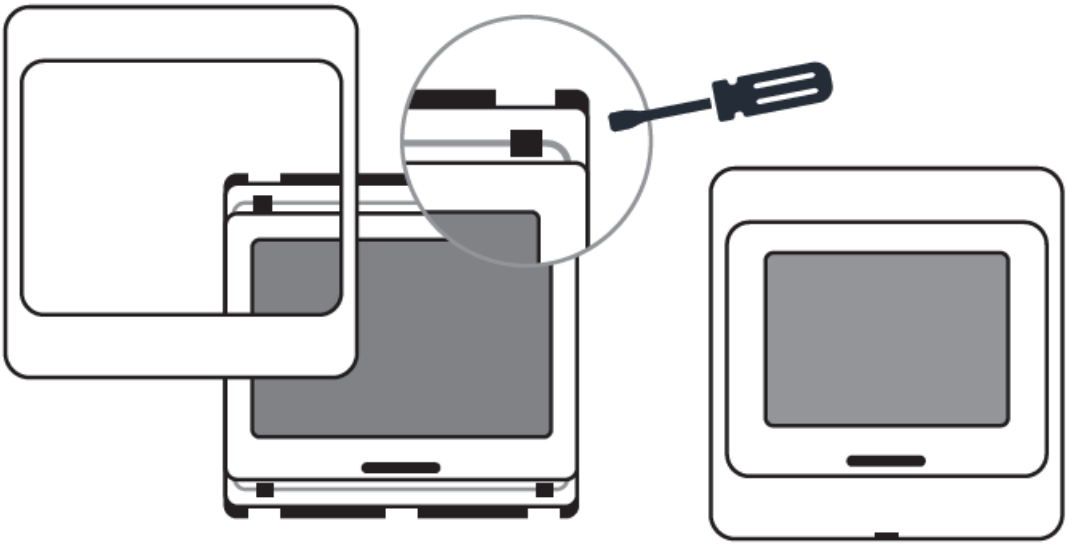
- Install the backing plate on to the electrical connection box with screws before any wiring takes place

STEP 4



- Ensure all wiring is undertaken by a qualified electrician.

STEP 5



- Install the housing cover and lock external frame as per diagrams.

Documents / Resources

	Amber DT-One Thermostat Control [pdf] User Guide DT-One, DT-One Thermostat Control, Thermostat Control, Control

References

- User Manual

Manuals+, **Privacy Policy**

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.