



CTBT1BW

(MANUAL MWC3-1990-SLH3 GB)

CTBT1GS

(MANUAL MWC3-1990-SLH8 GB)

User Manual

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Thank you for purchasing the Schlüter®-CONTROL-TR thermostat.

Designed for efficiency and comfort, this thermostat provides precise control over your floor heating. With programmable schedules, and energy-saving features complying with the EU Ecodesign Directive, it promotes an optimal indoor climate while reducing heating costs.

The built-in Bluetooth/WIFI connectivity allows seamless integration with a dedicated mobile app, giving you remote access to adjust temperatures, set schedules, and activate vacation mode from anywhere. Whether at home or away, you can monitor and manage your heating system with ease.

The Schlüter®-CONTROL-TR thermostat comes with a user-friendly mobile app that enhances its functionality. It allows you to optimize energy usage, track heating patterns, and customize settings to suit your lifestyle. Additionally, it supports Amazon Alexa*, and Google Home* voice control integration via the cloud, enabling

hands-free operation and seamless smart home connectivity.

Featuring a user-friendly touchscreen, the Schlüter®-CONTROL-TR thermostat is designed for easy operation. It offers cooling control for year-round comfort and a cooling mode display that clearly indicates whether the system is actively cooling or idle. These features promote optimal performance and ease of use, making it a reliable and modern solution for temperature management in any home.

Navigating the Manual

This manual is structured for easy navigation, with sections covering setup, operation, advanced features, and troubleshooting. The Table of Contents provides a quick overview, while step-by-step instructions promote simple configuration and use. The chapters are arranged logically, starting with installation and basic settings, followed by daily operation, advanced features, and finally troubleshooting for quick problem-solving.

** Amazon Alexa, Apple HomeKit and Google Home are trademarks of their respective owners.*



Picture of icon: **Meaning of icon:**



Bluetooth communication (BLE)



Apple HomeKit communication



WIFI communication



Failure / Alarm notification



Lock screen



Open window

Picture of icon: **Meaning of icon:**



Schedule active



Manual mode active



Away mode active



Heating demand active



Cooling demand active



Frost protection active

Buttons and Navigation



The thermostat features three main buttons for user interaction:

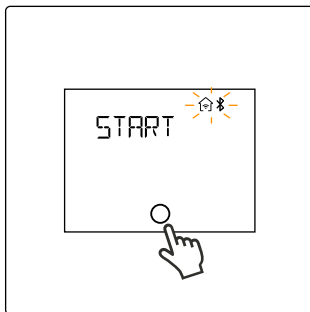
- The arrow up button  moves you through the menu and increases values like temperature settings.
- The arrow down button  moves you through the menu and lowers values like temperature settings.
- The select/accept button  opens the menu, confirms selections, and saves changes.

Basic Navigation:

- Press the select/accept button to enter the Settings menu or to confirm a selection.
- Use the arrow up and arrow down buttons to navigate through the menu options or adjust the temperature settings.
- Pressing and holding the select/accept button for 3 seconds on the Home screen activates or deactivates Standby Mode. In the Settings menu, the same action exits the menu and returns to the Home screen.
Note: This short cut only works if the settings are not being adjusted (not in edit mode)
- Pressing and holding the arrow up button and the arrow down button together for 3 seconds activates the Lock Screen function.

Note: To help recognizing text displayed on the thermostat, all on-screen text, such as menu items, modes, and notifications, is shown in bold with quotation marks, for example, "**STANDBY**" and "**SCHEDULE OFF**".

The Set-Up Wizard 1/4

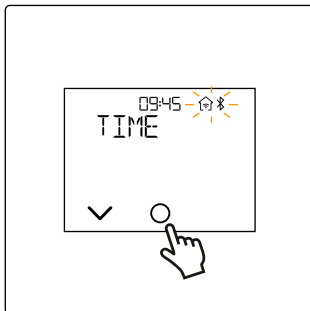


The Set-up wizard launches automatically when the thermostat is powered on for the first time or after a factory reset. It guides you through the initial setup, including time configuration. The wizard configures the thermostat and sets the time. See also the section on how to connect via Bluetooth.

Note: If you prefer using the Schlüter®-TR-CONTROL app, you can skip the manual setup – the thermostat will automatically synchronize with your phone's time during app pairing.

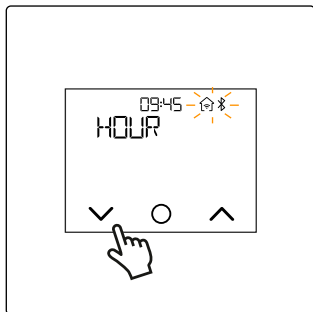
Manual Setup:

The first screen you will see is the Start screen:



Press the select/accept button to start the Set-up wizard. You will then see the Time screen:

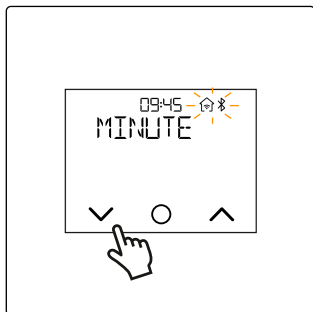
The Set-Up Wizard 2/4



Press the select/accept button to enter the time settings.

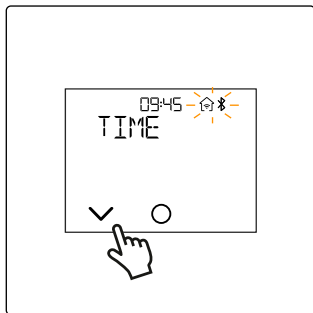
The first two digits of the time will start blinking. Use the arrow up and arrow down buttons to adjust the hours value. The selected value remains blinking.

Press the select/accept button to confirm the changes and go to the minute settings.

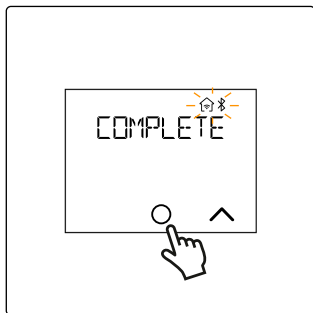


Next, change the minute value and press the select/accept button to continue.

The Set-Up Wizard 3/4

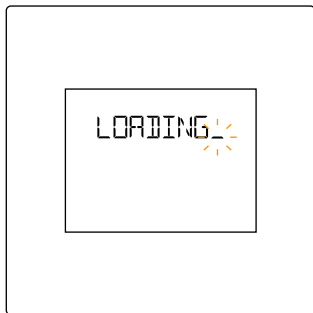


Press the arrow down button to leave the time settings.

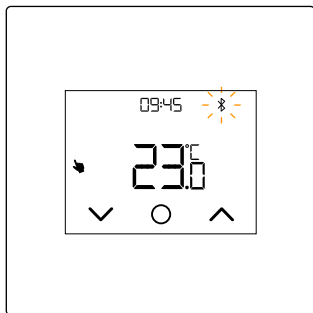


When the “**COMPLETE**” screen is displayed, the Set-up wizard has registered your desired settings. Press the select/accept button to finish the setup process.

The Set-Up Wizard 4/4



Next, a screen with the text “**LOADING**” appears while the thermostat is booting up. The last segment is blinking to indicate that the thermostat is finalizing the setup.



The Home screen will be shown when the loading is done. The thermostat is now fully operational, and you will be able to view and control the main functions from the Home screen.

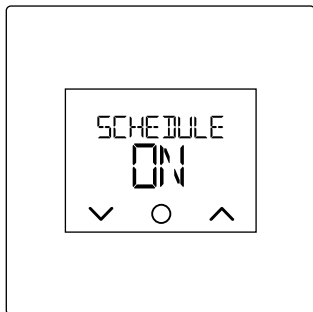
The Settings Menu



The Settings menu let you adjust your thermostat without using the app. To enter the Settings menu, press the select/accept button on the home screen. You can then turn the schedule on or off, change screen saver brightness, set the time, switch between Celsius and Fahrenheit, reset the WIFI, or restore factory settings. Use the select/accept button to confirm selections and the arrow buttons to navigate. To exit a submenu, press the select/accept button for 3 seconds. To exit the main Settings menu, scroll to the “**EXIT**” option and press the select/accept button, or wait for 30 seconds of inactivity.

- **SCHEDULE** – Turn Schedule mode on/off and manage heating schedules. (See the section “[Schedule On/Off](#)”)
- **PAIR APP** – Enable or disable Bluetooth for pairing with the app. (See the section “[Bluetooth Pairing](#)”)
- **APPLE HOME APP** – Enable or disable integration for controlling and monitoring the thermostat through the Apple Home app.
- **SCREENSAVER BRIGHTNESS** – Adjust the brightness level of the thermostat. (See the section “[Screensaver Brightness](#)” under “Basic Settings”)
- **TIME** – Set the thermostat’s internal clock (if not automatically synced via the app). (See the section “[Setting the Time](#)” under “Basic Settings”)
- **UNIT** – The Unit function allows you to select your preferred temperature scale, either Celsius (°C) or Fahrenheit (°F) (See the section “[Temperature Unit](#)”)
- **WIFI RESET** – This function performs a factory reset of WIFI settings (See the section “[How to Reconfigure WIFI](#)”)
- **FACTORY RESET** – This function restores the thermostat to the default settings (See the section “[Factory Reset](#)”)
- **INFO** – View the software version, config file version, and serial number. (See the section “[Info](#)”)
- **EXIT** – Close the menu and return to the home screen. (See the section “[Exiting the Menu](#)”)

Schedule ON/OFF 1/3



Schedule mode allows the thermostat to automatically adjust the temperature based on pre-set scheduled events (See the section “[Preset time and temperatur values](#)”). These events can be configured and adjusted via the app. Schedule mode can be turned on or off directly on the thermostat.

General Information:

Default Schedule Behavior:

The default schedule available in the mobile app depends on the thermostat's connection status, see below:

- **Bluetooth only (BLE-only) connection:** The app provides a single default schedule, which is used regardless of whether the thermostat is set to Room protection mode.
- **Cloud connection:** The app provides separate default schedules.

Schedule ON/OFF 2/3

PRESET TIME AND TEMPERATURE VALUES			
Day	Start	End	Room setpoint
Monday	06:00	09:00	21°C
Monday	17:00	23:00	21°C
Tuesday	06:00	09:00	21°C
Tuesday	17:00	23:00	21°C
Wednesday	06:00	09:00	21°C
Wednesday	17:00	23:00	21°C
Thursday	06:00	09:00	21°C
Thursday	17:00	23:00	21°C
Friday	06:00	09:00	21°C
Friday	17:00	23:00	21°C
Saturday	08:00	23:00	21°C
Sunday	08:00	23:00	21°C

Preset time and temperature values:

Identical on both thermostat and app.

The thermostat comes with preset weekly events. Use these preset times and temperature values as a starting point. Adjust times and temperatures to match the daily routine.

See how to change the schedule settings and temperature values in the following sections.

Schedule ON/OFF 3/3

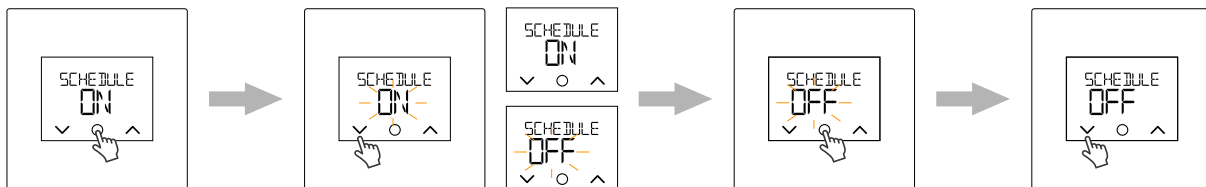


Schedule Off:

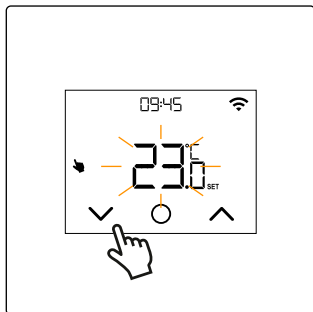
When the thermostat is in Schedule mode, the Schedule icon  is visible on the Home Screen. When not in Schedule mode, the thermostat operates in [Manual mode](#). See the “**Manual Mode**” section.

How to turn “Schedule Mode” On or Off:

1. Go to settings
2. Choose “**SCHEDULE**”:
3. Press the select/accept button (first press, the value starts to blink)
4. Toggle between “**ON/OFF**” and navigate to desired option.
5. Press the select /accept button to confirm. (Press the button a second time. The value will stop blinking.)
 - Once confirmed, the blinking will stop, and the new setting will be saved.
Use the arrow down button to navigate to the next setting. To exit the Settings menu, press and hold the round button for 3 seconds, or navigate to the EXIT option using the arrow buttons.



Manual Mode



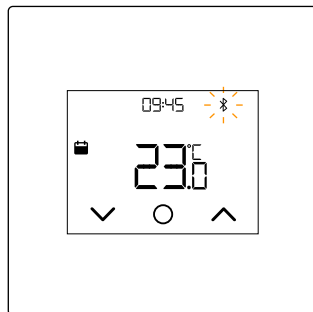
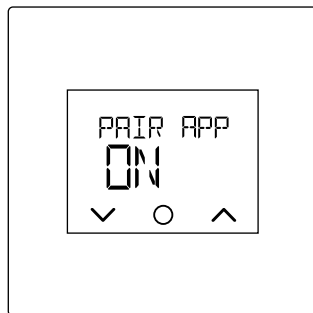
Manual mode is the default mode of the thermostat, and it allows you to set and maintain a specific temperature. When manual mode is active, the manual mode icon  will be visible on the display.

How to change the Temperature manually:

1. Press the select/accept button to activate the up and down arrows.
2. Press the arrow up button to raise the temperature or press the arrow down button to lower the temperature.
3. When you press either button, the word “**SET**” appears in small capital letters after the temperature, see the picture above.
4. The temperature adjusts in increments of 0.5°C or 1°F. The selected value will start blinking.
5. Confirm the temperature by either:
 - Waiting for 5 seconds of inactivity, or
 - Pressing the select/accept button to save the setting immediately.

The thermostat will display the updated set temperature, and the Manual mode icon will stay lit to indicate the active mode.

Bluetooth Pairing 1/2



Bluetooth pairing allows you to smoothly connect your thermostat to the Schlüter®-TR-CONTROL app, which is available for download from the Apple App Store and Google Play. This app enables easy control and configuration of your thermostat from your smartphone or tablet. Follow the steps below to quickly pair your device with the app.

How to activate Bluetooth Pairing Mode:

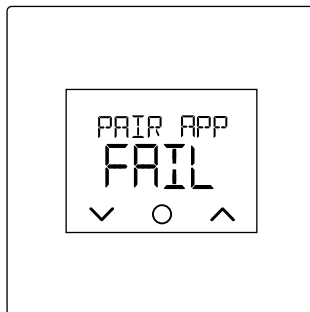
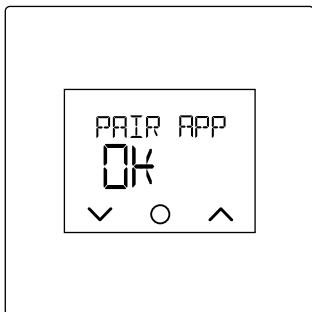
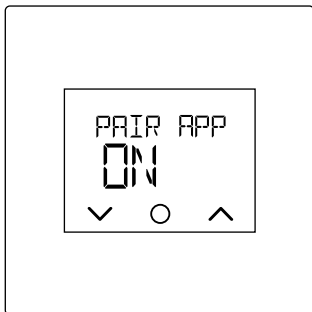
1. Open the Settings menu on the thermostat by pressing the select/accept button on the Home screen.
2. Navigate to the Bluetooth setting “**PAIR APP**” using the arrow up or arrow down buttons.
3. Press the select/accept button to enter the setting.
4. Select “**ON**” to enable Bluetooth Pairing Mode; the current value will start blinking.
5. Confirm by pressing the select/accept button again. The Bluetooth icon will begin blinking, indicating the thermostat is ready for pairing.
 - Pairing mode remains active for 2 minutes before automatically timing out. During this time, the thermostat will not enter screensaver mode.

Bluetooth Pairing 2/2

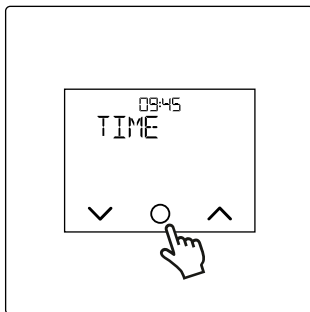


How to start the Pairing Process:

1. Install the Schlüter®-TR-CONTROL app on your mobile phone.
2. Start the pairing process by adding a new thermostat in the app.
3. The thermostat will display “**PAIR APP**” on the screen.
4. Press the round button to confirm pairing.
 - If pairing is successful, the “**PAIR OK**” message will appear for 3 seconds, and the Bluetooth icon will stay lit.
 - If pairing fails or times out, the “**PAIRING FAILED**” message will appear with an alarm notification. Press the select/accept button to Confirm and return to the Home screen. You can then re-enable pairing mode and try again.



Basic Settings (Time) 1/2



You can manually set the time on your thermostat to achieve accurate scheduling and operation. However, if your thermostat is connected to a mobile phone, the manually set time will be overridden during the next synchronization with the phone's time.

The thermostat automatically synchronizes with the phone's time. To keep your thermostat operating with the correct time, it periodically checks and synchronizes its time with the connected mobile device.

How to adjust:

1. Press the select/accept button to enter the Settings menu.
 - The display shows "**SCHEDULE ON/OFF**".
2. Navigate to the Settings menu and locate "**TIME**".
3. Press the select/accept button.

The display shows "**HOURL**" and the first two digits of the time (hours) will start blinking.

- Use the arrow up and arrow down buttons to adjust the hour value.
- The selected value will keep blinking.

Basic Settings (Time) 2/2



4. Press the select/accept button to confirm the changes and move to the **“MINUTE”** setting.

The last two digits of the time (minutes) will start blinking.

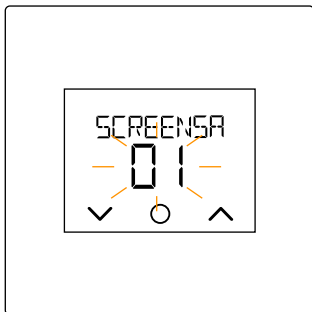
- Use the arrow up and arrow down buttons to adjust the minute value.
- The selected value will remain blinking.

5. Press the select/accept button to confirm the changes.

The value is saved and the blinking stops.

- Use the arrow down button to proceed to the next step in the Settings menu, if needed.

Basic Settings (Screensaver Brightness)

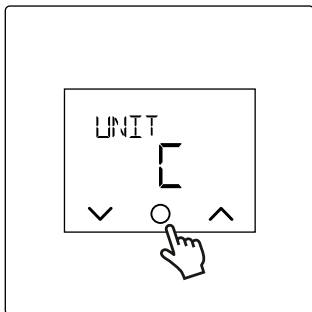


The “**SCREENSAVER BRIGHTNESS**” settings let you adjust the screensaver brightness of the thermostat. You can choose between different light settings: 00 (completely dimmed) and 06 (brightest).

How to Adjust the Screensaver Brightness:

1. Press the select/accept button to enter the Settings menu.
2. Navigate to “**SCREENSAVER BRIGHTNESS**”.
3. Press the select/accept button to enter the setting (the current value blinks).
4. Use the arrow buttons to adjust the screensaver brightness (00-06).
5. Press the select/accept button to confirm your selection (the value stops blinking).

Temperature Unit

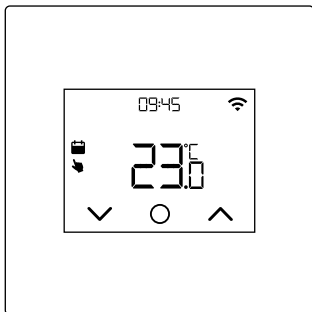


The thermostat allows you to choose between Celsius (°C) and Fahrenheit (°F). This setting helps match the temperature readings to your regional standards or personal preferences. By default, the thermostat is set to Celsius (°C), but you can easily switch to Fahrenheit (°F) if needed.

How to change the Temperature unit:

1. Navigate to “**UNIT**” in the “**SETTINGS**” menu.
2. Press the select/accept button to activate settings mode. The value starts blinking.
3. Use the arrow up and arrow down buttons to toggle between “**CELSIUS (°C)**” and “**FAHRENHEIT (°F)**”. The selected value continues blinking.
4. Press the select/accept button to confirm the change.

Temporary Adjustments (Hold Until / Temporary override)



The **“HOLD UNTIL”** function allows you to temporarily adjust the thermostat's temperature without modifying the active schedule. When activated, the thermostat maintains the chosen temperature until the next scheduled event.

How to Use the “HOLD UNTIL” Function:

Check Schedule mode is active

1. Ensure the schedule icon  is visible on the display, indicating that Schedule mode is active. See the illustration to the left.

Adjust the Temperature

1. Press the select/accept button to activate settings mode. The up and down arrows become visible.
2. Use the up or down arrow to choose a new temperature.

Confirm the Selection

1. Wait 10 seconds for the thermostat to save the new setting automatically.
2. Alternatively, press the select/accept button to confirm immediately.

The Manual icon  appears below the Schedule icon, indicating that the current schedule is temporarily overridden. When the next scheduled event begins, the thermostat will exit **“HOLD UNTIL”** mode automatically. The Manual icon disappears, and the thermostat resumes the programmed schedule.

How to reset or reconfigure WIFI 1/2



Your thermostat connects to your home WIFI, enabling remote access, scheduling, and smart home integration. If you need to switch to another WIFI or troubleshoot connectivity, you can reset the WIFI settings without losing personalized configurations. Follow these steps to reset and reconfigure your thermostat for a seamless reconnection.

How to Reset the WIFI Settings:

1. Press the select/accept button to open the Settings menu.
2. Navigate to **“WIFI RESET”**.
3. Press the select/accept button to enter the reset menu.
4. The thermostat will display **“NO”** by default.
5. Use the arrow buttons to select **“YES”**.
6. Press the select/accept button to confirm.

The thermostat will erase the previous WIFI settings. After the reset, it will return to the home screen and automatically enter WAC Mode (WIFI Accessory Configuration). The Apple HomeKit icon will be visible, indicating that the device is ready for setup.

How to reset or reconfigure WIFI 2/2



If you need to change or update the WIFI network for your thermostat, reset the WiFi settings from the Settings menu and reconnect the Thermostat using the Schlüter®-TR-CONTROL app.

The WIFI connection can also be reconfigured through BLE in the app. Follow these steps:

1. Open the Schlüter®-TR-CONTROL app on your smartphone or tablet.
2. Navigate to **Settings** and choose “**WIFI Settings**”
3. Select “**Change WIFI network**” or “**Reconfigure WIFI**”.
4. Follow the on-screen instructions to put the device into pairing mode.
5. Choose your new WIFI network from the list of available networks.
6. Enter the WIFI password and press “**Connect**”.
7. The app confirms a successful connection.

The WIFI settings will reset.

Factory Reset



The Factory Reset function restores all thermostat settings to their default factory values, erasing all custom configurations. This includes WIFI settings, schedules, temperature settings, and other personalized adjustments. After a factory reset, the thermostat will require a full setup procedure before use.

When to Use Factory Reset:

- If the thermostat is not functioning properly.
- If you want to clear all custom settings and restore defaults.
- If the thermostat has been transferred to a new user.

How to Perform a Factory Reset:

- Access the Settings Menu
 1. Press the select/accept button to enter the Settings menu.
 2. Use the arrow up or arrow down buttons to navigate to **"FACTORY RESET"**.

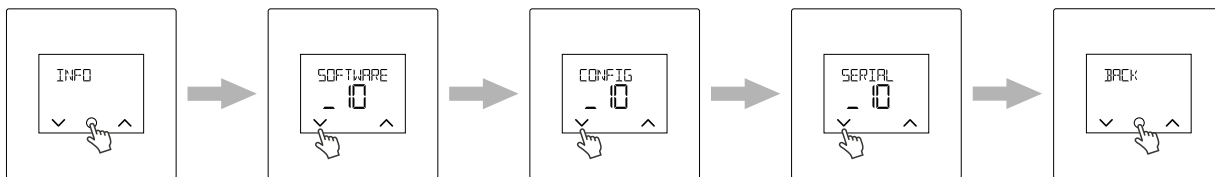
- Confirm Reset
 1. Press the select/accept button to enter the Factory Reset menu.
 2. The display will show the option **"NO"** as the default selection.
 3. Use the arrow up or arrow down buttons to switch to **"YES"**.
- Complete the Reset
 1. Press the select/accept button to confirm.
 2. The thermostat will restart and launch the Set-up wizard.

Important Notes:

- Once confirmed, the reset cannot be undone.
- The thermostat will reboot automatically and require reconfiguration.
- If you do not want to reset, select **"NO"** and press the round button to return to the settings menu.



The “**INFO**” Menu provides details about the thermostat, including its software version, configuration file, and serial number. This information is read-only and can be useful for troubleshooting or when seeking support. When entering the “**INFO**” menu, a submenu appears with three information options and one return option.



How to Enter the Info Menu:

1. Press the select/accept button to enter the “**INFO**” submenu. The screen will initially be blank in the display area.

How to View the Software Version:

1. The first screen in the “**INFO**” submenu displays the Software Version of the thermostat. Use the arrow down button to move to the next information screen.
2. Use the arrows buttons to navigate to the “**BACK**” option if needed. The select/accept button is not visible on this screen. The software version text scrolls from right to left in the display area.



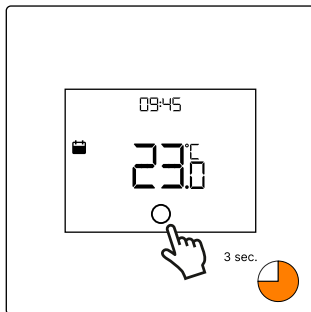
How to View the Configuration File Version Number:

1. The second screen displays the Configuration File Version Number of the thermostat. The number scrolls right to left on the display.
2. Use the arrow down button to proceed to the next screen or use the arrow up button to return to the previous step. The select/accept button is not visible on this screen.

How to View the Serial Number:

1. The third screen displays the Serial Number of the thermostat. Use the arrow down button to proceed to the next screen or use the arrow up button to return to the previous step. The select/accept button is not visible on this screen.
2. The serial number text scrolls right to left in the display area.
3. When the text **"BACK"** appears on the display, you must press the select/accept button to exit the submenu.

Standby Mode



When Standby Mode is activated, the thermostat stops heating or cooling but remains operational for certain background functions such as Frost Protection, WIFI and Bluetooth. This is a power-saving feature that allows the thermostat to minimize energy consumption. In Standby Mode the display turns off completely after 3 seconds of inactivity.

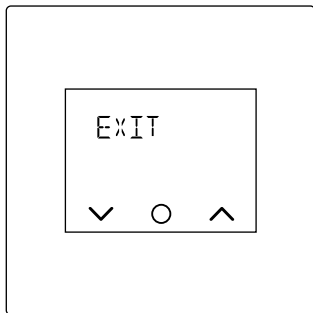
How to Activate Standby Mode:

1. From the Home screen, press and hold the select/accept button for 3 seconds.
2. The word “**STANDBY**” will appear on the screen for 3 seconds, and the display brightness will dim.

How to Exit Standby Mode:

1. Press and hold the select/accept button for 3 seconds again.
2. The thermostat will return to the home screen and resume normal operation.

Exiting the Menu



You can leave the Settings menu and return to the Home screen in any of the following ways:

Navigate to the “**EXIT**” option using the arrow buttons and press the select/accept button to confirm.

Press and hold the round select/accept button for 3 seconds while navigating within the Settings menu.

Leave the thermostat idle for **10 seconds**, after which it will automatically return to the Home screen.

The “**EXIT**” option is the last item in the Settings menu.

Note: If you are editing a setting value, pressing and holding the round select/accept button for 3 seconds does not exit the Settings menu. Complete or cancel the edit before using one of the exit methods above.

The Cooling Mode 1/3



The thermostat features a dedicated Cooling Mode.

How to Understand the Cooling Status and Icons:

- Select a Cooling Enabled application mode during the Setup Wizard of the app to allow the thermostat to regulate the cooling in the specific zone.
- The snowflake / frost icon ❄️ appears on the display when the thermostat is actively cooling (relay ON).
- The Cooling Off state identifies when the target temperature is met and the thermostat is idle (relay OFF).
- The Heat icon 🔥 appears on the display when the system is back in Heating Mode.

How to manage the cooling mode in the Schlüter®-TR-CONTROL app:

1. Press the “**Settings**” icon in the upper right corner of the home screen.
2. Select “**Manage Thermostats**” from the menu options.
3. Scroll down and choose “**Advanced Settings**”.
4. Select “**Application type**” to view your options.
5. Choose “**Water-based with cooling option**” from the list.
6. Confirm the change of the application type to save your new configuration.

Note: “Water-based with cooling option” is the default application type setting for the thermostat.

The Cooling Mode 2/3



How the Notifications in the Display works:

- The text “**COOLMODE**” appears in the display when the system switches to cooling.
- The text “**HEATMODE**” appears in the display when the system switches to heating.
- The text “**INACTIVE**” appears in the display when the system switches to cooling, but a cooling mode is not selected in the thermostat. (Refer to section 6 to learn more about INACTIVE mode)
- The user can dismiss the heating or cooling notification by pressing the select/accept button. If no action is taken, the notification will be automatically dismissed after 30 seconds.
- Press the round button to Exit and return directly to the home screen.

How the Push Notifications work:

When enabled in the “Schlüter®-TR-CONTROL” app, the following notifications may be displayed:

- **Cooling Enabled** – Cooling has been activated.
- **Cooling Disabled** – Cooling has been deactivated.

Note: The changeover push notifications for heating and cooling are disabled by default in the app.

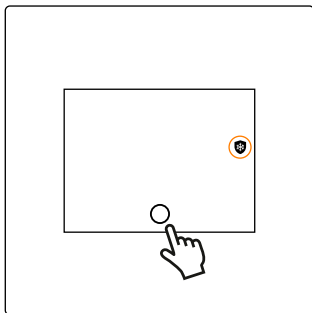


If Cooling is Restricted and Inactive:

If cooling is not allowed the thermostat enters an **Inactive State** to ensure safety and system efficiency.

- Visual Alert: The text “**INACTIVE**” along with a notification icon will be clearly visible in the display.
- Interface Lock: It is not possible to dismiss the inactive notification.
- Priority Display: While in an inactive state, the thermostat suppresses all standard operational information (such as Schedules, Standby, Away Mode, Manual Mode, Open Window, or Frost Protection). The “**INACTIVE**” status overrides all other settings.
- Error Handling: Any system errors that occur during the inactive state are temporarily hidden.

Standby Mode with Frost Protection



Frost Protection prevents the system from freezing. It is enabled by default on the thermostat and remains active at all times, including when the thermostat is in Standby Mode.

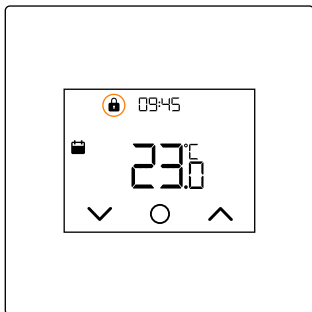
The Frost Protection icon is displayed only when frost protection is actively operating, meaning the thermostat has started heating because the measured temperature has fallen below the configured frost protection setpoint.

How Frost Protection Works:

- Frost Protection is enabled by default on the thermostat.
- The function remains available during Standby Mode unless it has been disabled through the mobile app.
- When the room temperature falls below the configured frost protection setpoint, the thermostat automatically starts heating to help prevent freezing.
- While frost protection heating is active, the Frost Protection icon is displayed on the screen.

Note: Frost Protection operates only in heating mode and is not available in cooling mode. The thermostat user interface does not provide a direct option to enable or disable Frost Protection. This setting can only be changed through the mobile app. If the thermostat has never been connected to the mobile app, Frost Protection remains enabled using the default settings.

The Lock Screen



The Lock Screen function allows you to temporarily disable interactions with the thermostat to prevent accidental changes. This feature can be activated or deactivated using a button combination or via the app.

How to Activate Lock Screen:

1. Press and hold both arrow buttons for 3 seconds to activate the Lock Screen.
 - The Lock icon will appear on the Home screen, indicating that the thermostat is locked. See the picture on the left. When the Lock Screen is active and the user presses any button or touch area, the Lock icon blinks for 5 seconds to indicate that the thermostat is locked.

How to deactivate Lock Screen:

1. Press and hold both arrow buttons for 3 seconds to deactivate the Lock Screen.
 - The Lock icon disappears, and use of a thermostat is possible.

Using the App:

- The Lock Screen function can also be enabled or disabled via the thermostat's app.

Setting up the Schlüter®-TR-CONTROL App

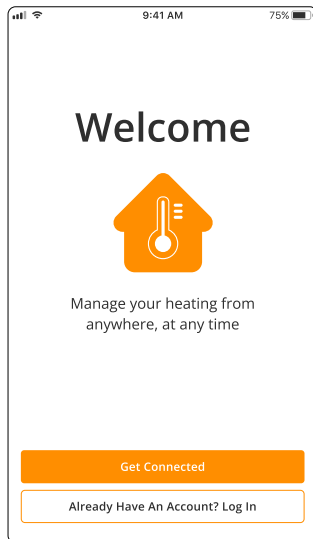


The Schlüter®-TR-CONTROL app is a tool that enables you to control and optimize your heating system. No matter where you are, you can easily view and set temperatures, customize your heating schedule, put your system in away mode, and track your energy usage. Save money on your heating bill and enjoy a comfortable home with this intuitive, user-friendly app.

Download the Schlüter®-TR-CONTROL app from Google Play or the Apple App Store and follow the app guide to start the setup.



Using the App 1/2



First time you use the app:

When you use the app for the first time, you will be guided through a setup process. This will involve creating a user account, adding the thermostat via Bluetooth, and connecting to a WIFI network.

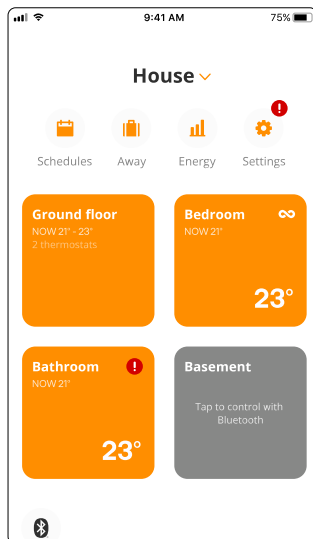
Log in with an existing account:

If you already have a user account, you can log in to control your thermostats.

Bluetooth control only:

Control your thermostats without an account or WIFI connection.

Using the App 2/2



Schedules

Set up your thermostat to turn on your underfloor heating system during preset periods. You can easily use and customize one of the predefined schedules, or you can create your own schedule.

Away

Set or plan the temperatures you want to maintain while you are on vacation.

Energy

An overview of statistics.

Settings

You can change the settings for the app, the thermostats, or the user profiles. You can also access notifications and software updates

Zones

An overview of the thermostats in the selected building. Go into the individual thermostats or zones to:

- see the current temperature,
- see the selected temperature,
- see if the schedule is activated,
- see if there are any notifications.

Notification of update or error

The red exclamation mark can mean two things:

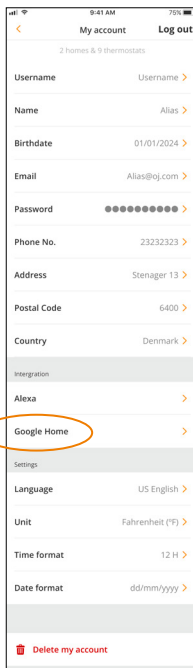
- There is a software update available. Follow the guide in the app to install the update.
- There is an error on the thermostat. Go to the error description section and follow the instructions for the error in question.

Overview of the Functions in the App



Function	Description
BLE connectivity	Makes the thermostat discoverable via Bluetooth for app setup and control.
WIFI connectivity	Provisions the thermostat on a home network with the option of connecting to a cloud service.
Away Mode	Lowens temperature for energy savings, cancellable via app or thermostat.
Standby Mode	Enters low-power state, stops heating/cooling, cancels Away mode if active.
Manual Temperature Control	Adjusts setpoint in 0.5°C/1°F increments with mode-specific limits.
Schedule Activation/Deactivation	Turns schedule (Auto mode) on/off, allows manual overrides until next event.
Hold-Until (Temporary override)	Temporarily overrides schedule until next event with new setpoint.
Unit Setting (°C/°F)	Switches temperature display between Celsius and Fahrenheit.
Time Setting	Setting of time zones and daylight saving.
Active Screen Brightness	Allows you to set the screen brightness (00-06) with active screen as brightness limit.
Screen Saver Brightness	Allows you to set the screen saver brightness (00-06) with active screen as brightness limit.
User Reset	Resets the thermostat.
Factory Reset	Restores all thermostat settings to defaults, requires confirmation.
Set-up wizard	Guides initial setup via app, including Unit, Time, and Floor protection.
Frost Protection	Enables frost prevention (heating only), visible when heating.
Software Update	Initiates updates via app.

Setting up the Schlüter App with Google Home 1/2



You can connect your Schlüter devices to smart home systems like Google Home or Amazon Alexa to enable voice control and automation.

Follow these steps to connect your Schlüter®-TR-CONTROL app for integration with Google Home.

Phase 1: In the Schlüter®-TR-CONTROL App

1. Open the “**Schlüter®-TR-CONTROL**” app on your device.
2. Access the menu from your main House page.
3. Select “**Settings**” from the menu options.
4. Scroll down and select “**My Account**”.
5. Scroll down further and tap on Integration.
6. Select “**Google Home**” from the list of available integrations.

Phase 2: In the Google Home App

7. Download the “**Google Home app**” from the App Store or Google Play Store.
8. Open the “**Google Home app**” and follow the on-screen instructions to complete the setup and link your account.

Setting up the Schlüter App with Google Home 2/2

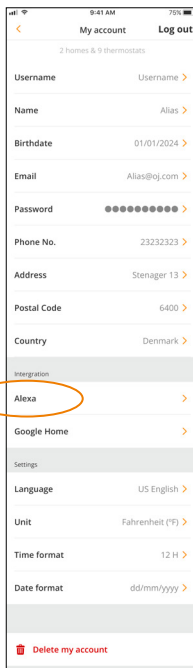


Phase 3: Complete setup

9. To complete the setup, open Google Home app and search for “**Schlüter**” or “**Schlüter-TR-CONTROL**” under their settings for integrations or skills (often listed under sections like “**Works with Google**”).
Note: If you cannot find the integration, ensure your Schlüter®-TR-CONTROL app is updated to the latest version.
10. Follow the prompts within that app to log in with your Schlüter credentials and authorize the connection.

Note: Since Google Home is an independent platform, its app layout, terms, and setup process are subject to change and are outside our control. For detailed or updated guidance, please refer to the official [Google Home Setup Guide](#).

Setting up the Schlüter App with Amazon Alexa 1/2



You can connect your Schlüter devices to smart home systems like Google Home or Amazon Alexa to enable voice control and automation.

Follow these steps to prepare your Schlüter®-TR-CONTROL app for integration with Amazon Alexa.

Phase 1: In the Schlüter®-TR-CONTROL App

1. Open the “**Schlüter®-TR-CONTROL**” app on your device.
2. Access the menu from your main House page.
3. Select “**Settings**” from the menu options.
4. Scroll down and select “**My Account**”.
5. Scroll down further and tap on Integration.
6. Select “**Amazon Alexa**” from the list of available integrations.

Phase 2: In the Amazon Alexa App

7. Download the “**Amazon Alexa app**” from the App Store or Google Play Store.
8. Open the Alexa app and navigate to “**More**” (bottom right menu) -> “**Skills & Games**”.
9. Search for “**Schlüter**” or “**Schlüter®-TR-CONTROL**” and select it.
10. Tap “**Enable to Use**” and follow the on-screen instructions to log in and link your account.

Setting up the Schlüter App with Amazon Alexa 2/2



Phase 3: Complete setup

11. Follow the prompts within that app to log in with your Schlüter credentials and authorize the connection.

Note: Since Amazon Alexa is an independent platform, its app layout, terms, and setup process are subject to change and are outside our control. For detailed or updated guidance, please refer to the official [Amazon Alexa Setup Guide](#).

Smart Home Integration: Apple HomeKit



The Schlüter®-CONTROL-TR thermostat is compatible with selected smart home platforms, including Apple HomeKit. Integration with Apple HomeKit enables users to connect the thermostat directly to Apple devices, allowing control through the Apple Home app and Siri voice commands.

To control this Apple HomeKit-enabled accessory, the latest version of iOS or iPadOS is recommended.

Controlling this Apple HomeKit-enabled accessory automatically and away from home requires a HomePod, HomePod mini, or Apple TV set up as a home hub. It is recommended that you update to the latest software and operating system.

Unlike other platforms such as Google Assistant and Amazon Alexa, which communicate via cloud service, Apple HomeKit interacts directly with the thermostat over the local network.

How to add the thermostat to an Apple device:

1. Download the **“Apple Home app”** from the App Store.
2. Open the **“Home app”** on your Apple device.
3. Tap the **“Add Accessory”** icon or (+)
4. Scan the **QR code** from the back of the thermostat or inside the product packaging.
5. The Heater is now added to the **Home app**. This may take a few minutes.
6. Choose **“Heater location”** and press **“Continue”**
7. **Follow** the remaining **in-app instructions** to complete the setup.

Away Mode / Holiday Mode / Eco Mode



Away mode, also known as Eco mode or Holiday mode, helps conserve energy by lowering the temperature in your home while you're away. Away mode can only be scheduled in advance or activated immediately through the app. Once activated, the thermostat maintains the reduced temperature until Away mode is disabled.

How Away Mode Works:

- When Away mode is active, the Away mode icon and “**AWAY**” text appear on the display to indicate the mode.
- You can interact with the thermostat to view settings or information. However, changing the mode or setpoint will exit Away mode.

Additional Information:

- If there is no interaction, the screen dims and switches to screensaver mode.
- To wake the screen, press anywhere on the touch area. The “Away” text and icon will remain visible as a reminder of the current mode.
- Away mode can be disabled via the app or by adjusting the mode or setpoint on the thermostat.

The Open Window Function



The Open Window Function helps conserve energy by automatically stop heating when a sudden drop in temperature indicates an open window. The Open Window icon (see below) appears on the display whenever the feature is active.

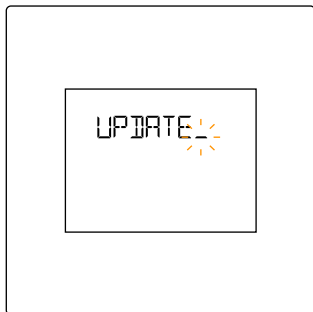


How to Access the Open Window Function:

The Open Window function is enabled by default and can only be enabled or disabled via the app.

When enabled, the thermostat automatically detects an open window if the temperature drops by 3°C within 3 minutes. When this condition is detected, the Open Window function is activated to help reduce unnecessary heating.

Software Update 1/3



The thermostat's software is updated via the app using either a WIFI or Bluetooth connection. This process keeps the device up to date with the latest version, including performance improvements, security updates, and new features.

The update process consists of two stages: a background download phase and an installation phase. You can continue adjusting the temperature setpoint or changing settings during the download phase. However, all manual operation is paused once the actual installation begins.

Installation Process and Restrictions:

The installation begins after the software package is fully downloaded. To ensure a smooth installation, please note the following:

- Operation is paused If you interact with the thermostat during the installation phase, the screen will display an **"UPDATE"** message with a blinking underscore (" _ ") to show that the software is processing.

Note: You cannot operate the thermostat during the update.

- The heating control is temporarily suspended during the installation phase. The installation usually takes only a few minutes.
- During an update, the thermostat will **automatically restart twice** (once to validate the software and once to apply it) before returning to its previous mode of operation.

Software Update 2/3



Note: If the update is performed via Apple HomeKit, the thermostat will only restart **once**.

Do not disconnect the power supply to the thermostat during the installation phase.

Updating via WIFI:

When your thermostat is connected to WIFI, the software downloads directly over the cloud connection. Once you accept the update in the app, the thermostat receives and applies the new software automatically. You can choose to install immediately or postpone the update. If postponed, you will receive reminders when accessing the app.

Updating via Bluetooth or Apple HomeKit:

You can also update your thermostat via Bluetooth or Apple HomeKit without requiring a local WIFI connection.

- When you select this option, the software package downloads to your mobile device first using your phone's internet connection. Once connected to the thermostat via Bluetooth or Apple HomeKit, a popup message will ask you to accept and install the new software.

Software Update 3/3



- Choose to install immediately or install later. If you postpone the update, you will be reminded every time you attempt to control the thermostat via Bluetooth.
Note: If the Bluetooth connection drops during the installation phase, the thermostat will safely abort the process and return to normal operation.

If the Update Fails:

If a software update fails or is interrupted, the thermostat displays an “**Update failed**” message, and the process is cancelled. No changes are applied to your thermostat, and you can safely retry the update at any time.

Troubleshooting and Error Notifications 1/5



Error number	Display text	Recommended action
E0	INTERNAL FAILURE REPLACE THERMOSTAT	Contact your contractor. The thermostat must be replaced.
E1	INTERNAL SENSOR ERROR REPLACE THERMOSTAT	Contact your contractor. The thermostat must be replaced.
E3	INTERNAL COMPENSATION SENSOR DEFECTIVE	Contact your contractor. The thermostat must be replaced.
E4	BOOTLOADER ERROR UPDATE FAILED	This issue can often be resolved by updating the device's firmware. You can do this using either Bluetooth or WIFI.
E6	COMMUNICATION ERROR WIRELESS CHIP NOT WORKING	Contact your contractor. The thermostat must be replaced.
E7	POWER SUPPLY ERROR	Ensure the power supply is securely attached and connected. If the error persists, contact support for issues with communication, software updates, or feature compatibility.
E8	WIFI CONNECTION DOWN COMMUNICATION ERROR	Check WIFI router and connection.
E9	CLOUD CONNECTION DOWN COMMUNICATION ERROR	Check internet connection.
E10	FATAL FAILURE OF APPLE HOMEKIT	Perform a power-cycle, i.e., turn off the device, wait a few seconds, and then turn it back on. Often, this simple restart resolves the issue.

Troubleshooting and Error Notifications 2/5



2. BLUETOOTH PAIRING ISSUES

If you experience issues pairing the thermostat with a mobile device, check the following:

Issue	Possible Cause	Solution
Bluetooth icon is not visible.	Bluetooth is disabled.	Enable Bluetooth in the Settings menu.
Bluetooth icon is blinking but no connection.	The thermostat is in pairing mode, but no device has connected.	Try reconnecting within 2 minutes before pairing mode times out.
PAIRING FAILED message appears.	Pairing timeout or connection issue.	Retry pairing. If the problem persists, restart the thermostat. Remove the existing BLE pairing from the mobile device, especially on iPhones. If the issue persists after re-pairing, perform a factory reset of the thermostat.
Bluetooth icon is visible, but the device will not connect.	Another device may be connected.	Only one can be connected at the time or perform a factory reset.
Bluetooth connection lost after pairing.	Connection dropped due to app being closed, or moving out of range.	Reconnect through the app. If persistent, reset the pairing settings.

3. WIFI AND CLOUD CONNECTION ISSUES

WIFI and cloud connectivity are essential for remote access. If the thermostat loses connection, follow these steps:

Issue	Possible Cause	Solution
WIFI icon is off.	WIFI is disabled or not set up.	Use the BLE phone connection to initiate a wifi+cloud connection menu and configure the connection.
WIFI icon is blinking slowly.	Router not available or weak signal.	Restart the router, or move the router, or check for interference.
WIFI icon is blinking quickly.	Cloud connection failure.	Check if your internet is active.
WIFI icon blinks fast twice.	This means cloud authentication error.	
No remote control via app	Internet or cloud service issue.	Restart the thermostat and reconnect the app. Ensure no firewall is blocking the connection.

Troubleshooting and Error Notifications 3/5



4. SOFTWARE UPDATE PROBLEMS

Software updates help achieve optimal functionality. If an issue occurs during an update:

Issue	Possible Cause	Solution
"UPDATE_" text remains on screen.	The update is in progress.	Wait for the update to complete. Do not power off the thermostat.
Thermostat is unresponsive during update.	Normal behaviour during installation.	Allow the process to finish. If the device remains unresponsive for over 10 minutes, restart it.

5. SET-UP WIZARD AND FACTORY RESET ISSUES

If problems occur during setup or after resetting the thermostat:

Issue	Possible Cause	Solution
Set-up wizard does not start.	The device was not reset properly.	Perform a factory reset and restart the thermostat.
Setup process does not save settings.	Interrupted setup.	Restart the setup process and ensure all steps are completed.
Cannot enter Set-up wizard.	The Set-up wizard only activates on first power-up or after a factory reset.	Perform a factory reset if necessary.

Troubleshooting and Error Notifications 4/5



6. STANDBY AND SCREENSAVER ISSUES

The thermostat enters standby or screensaver mode after inactivity. If issues arise:

Issue	Possible Cause	Solution
The thermostat does not enter screensaver mode.	A function (e.g., Bluetooth pairing) is active.	Wait for pairing to complete or disable the function.
Cannot wake thermostat from screensaver.	Touch sensitivity issue.	Press the round button firmly or restart the device.
Standby Mode activates unexpectedly.	User activated it manually or via app.	Exit Standby Mode by holding the round button for 3 seconds.

7. LOCK SCREEN ISSUES

The lock screen prevents unintended changes to the settings.

Issue	Possible Cause	Solution
Cannot unlock the thermostat.	Lock screen is enabled.	Press and hold both arrow buttons for 3 seconds to unlock the thermostat.
The Lock icon blinks when pressing a button.	Lock mode is active.	Deactivate Lock screen by pressing and holding both arrow buttons for 3 seconds.

Troubleshooting and Error Notifications 5/5



8. AWAY MODE AND SCHEDULE PROBLEMS

The thermostat allows scheduled temperature changes.

Issue	Possible Cause	Solution
Away mode does not activate.	The mode has not been scheduled or activated.	Ensure the mode is set via the app.
Schedule does not control temperature.	Schedule is turned off.	Enable Schedule mode in the Settings menu.
The temperature does not change at the scheduled time.	The Time settings are incorrect.	Check that the thermostat time is correct and synced with your device.

9. MANUAL MODE AND SETPOINT ISSUES

You can override schedules by using manual mode.

Issue	Possible Cause	Solution
Cannot increase or decrease temperature.	Temperature limit reached.	Check if the setpoint is within the allowed range.
Setpoint reverts to a previous value.	Hold-until feature automatically activates when a user manually changes setpoint while thermostat is operating in schedule mode.	Use "Hold Until" mode to temporarily override the schedule.



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