



User Guide

Trane® Pivot™ Smart Thermostat



X39641352001

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.



Introduction

The Trane® Pivot™ Smart Thermostat is a programmable thermostat that features a color touch-screen and an intuitive user interface for easy operation. With built-in remote access capability, users can easily perform tasks via a mobile device (iOS or Android).

Pivot Capabilities

- Monitor and control the HVAC system using an Internet-enabled Smart Phone from any remote location.
- Customize display layout.
- Automatic software updates.
- Notifications informing the user of occurrences happening in the building.

This user guide provides guidance in configuring and connecting the Pivot Smart thermostat.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.



Indicates a situation that could result in equipment or property-damage only accidents.

▲ WARNING**Proper Field Wiring and Grounding Required!**

Failure to follow code could result in death or serious injury.

All field wiring **MUST** be performed by qualified personnel. Improperly installed and grounded field wiring poses **FIRE** and **ELECTROCUTION** hazards. To avoid these hazards, you **MUST** follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

▲ WARNING**Personal Protective Equipment (PPE) Required!**

Failure to wear proper PPE for the job being undertaken could result in death or serious injury.

Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, **MUST** follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- Before installing/servicing this unit, technicians **MUST** put on all PPE required for the work being undertaken (Examples; cut resistant gloves/sleeves, butyl gloves, safety glasses, hard hat/bump cap, fall protection, electrical PPE and arc flash clothing). **ALWAYS** refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.
- When working with or around hazardous chemicals, **ALWAYS** refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labelling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.
- If there is a risk of energized electrical contact, arc, or flash, technicians **MUST** put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, **PRIOR** to servicing the unit. **NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**



Introduction

⚠ WARNING

Follow EHS Policies!

Failure to follow instructions below could result in death or serious injury.

- All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.
- Non-Trane personnel should always follow local regulations.

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Revision History

- Modified restriction access (high) for time overrides.
- Added Spanish as a supported language.
- Modifications made to Binary Input Open/Closed states in Specifications section.



Table of Contents

Requirements	7
Initial Setup	7
The Trane Pivot Mobile App	8
Setting Up the Trane Pivot Mobile App	8
Adding a Thermostat to the Account	9
Adding a New User to the Account	9
Transferring the Account	9
Creating Multiple Buildings	10
Moving a Thermostat to Another Building	10
Trane Pivot Mobile App Firmware Updates	11
Uninstalling the Trane Pivot Mobile App	11
Alerts	12
Setting Up Alerts	12
Part 1: Alerts Subscription Setup	12
Part 2: Thermostat Setup and Selection	12
Thermostat Home Screen	13
Interface Flowchart	14
Menu Screen	15
Settings Screen	16
Thermostat Settings	18
Schedules	20
Modifying Schedule Periods	20
Deleting Schedule Periods	21
Adding Schedule Periods	22
Setpoint Adjustment	24
Enabling After-hours Timed Occupancy Override	24
Setting Up Temporary Setpoint Adjustments	26



Table of Contents

Setting Up a Temperature Override Expiration	26
Setting Up a Temperature Override Degree Limit	27
Customization and Added Features	29
Customizing the Home Screen Layout	29
Setting Up Access Restrictions	30
Setting up Passcode Restrictions (PIN Access)	31
Language Support	31
Emergency Heat Enable	32
Open Automatic Demand Response (OADR)	32
Specifications	33
Pivot Smart Thermostat Support	34



Requirements

- High-speed connection to the Internet (Wi-Fi or Ethernet)
- Wireless network with name (and password if required) and security type
- Mobile device (iOS or Android)

Initial Setup

Initial thermostat setup is performed through the user setup wizard (**Menu > Settings > User Setup Wizard**).

Below is a table that lists the order in which the user setup wizard will follow. Use the **Menu** screen and the **Settings** screen to manually configure any screen setups canceled during the **User Setup Wizard** process.

Name	Description
Screen Settings	Adjust screen brightness, backlight, screen saver, and color theme.
Screen Layout	Choose up to two Apps for display on the Home screen. To deselect an item, tap the highlighted item. If no items are selected, the Home screen will adjust the layout for larger temperature display.
Setpoints	Adjust cooling and heating setpoints, override expiration, and override degree limit.
Schedule Settings	Enable or disable schedules.
Schedules	View or Edit schedules. If schedules are disabled, this step in the wizard will not be shown.
Optimal Start/Stop	Enable or disable Optimal start and stop and set the time. If schedules are disabled, this step in the wizard will not be shown.
Network	Select your wireless network and enter your user name and/or password. If your wireless network is available but not shown in the list, select Hidden Network and manually enter the network's name (SSID) and security type. <i>Note: Wireless setup is not required when the Pivot thermostat is hard wired to the network using an Ethernet cable.</i>
Registration	Register the Pivot thermostat to enable remote access. To create an account, see "The Trane Pivot Mobile App," p. 8 . Follow the instructions on the screen and the Trane Pivot App to register the thermostat. See the instructions in "Adding a Thermostat to the Account," p. 9 for more information.
Weather	Set your zip code for local weather.

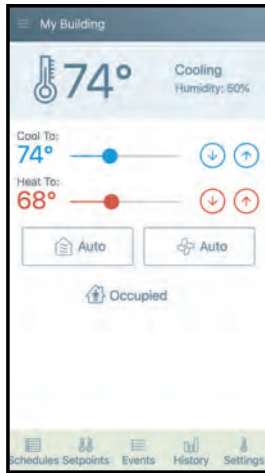


The Trane Pivot Mobile App

Use the Trane Pivot mobile app to create an account, add thermostats, and add new users to the account. An account will allow you to view:

- **Dashboard** — includes schedules, setpoints, and run time history (see the following figure).
- **Events history** — a history of events (the history list can be filtered).
- **Alerts** — define and customize who receives notification alerts, and which alerts each user should receive.

Figure 1. View of the dashboard (trane pivot mobile app)



Setting Up the Trane Pivot Mobile App

This section describes how to access and set up the Trane Pivot mobile app, create a Trane Pivot account, and add thermostats and users to the account.

Note: *The free Trane Pivot mobile app is available on the App Store® for iOS devices, and on Google Play® for Android devices.*

1. Install the Trane Pivot mobile app onto your mobile device.
2. Tap **Sign Up Now** and enter the required information.
3. Enter a 4-digit PIN (options are 4, 6, 8, or 10 digits).

The **My Building** screen appears — this is the dashboard. The account you just created will be considered the account owner.

Adding a Thermostat to the Account

1. Open the Trane Pivot mobile app on your device.
2. On the **My Building** screen, tap on the menu drop down icon, then tap **Enroll New Device**. The **Enroll Pivot Thermostat** screen appears.
3. Tap **Get Code** or tap **Building Dashboard** to select a different building. This generates a 5-digit code and starts a 10-minute timer.
4. On the Pivot Thermostat Home screen, tap **Menu > Pivot Registration**. Enter the 5-digit code and then tap **Next**. The Pivot thermostat will be enrolled/registered in the account in approximately 60 seconds.
5. Repeat the above procedure for additional thermostats.

Adding a New User to the Account

Only the account owner has the ability to add new users to the Trane Pivot mobile app account. The account owner must have the ability to send a code to the new user via a text message.

Note: *New users should prepare by downloading the Trane Pivot mobile app and setting up a PIN prior to being added to the account.*

1. Verify that the potential new user has downloaded the Trane Pivot mobile app and has set up a PIN.
2. From the Trane Pivot mobile app, tap **Users**, then tap **New User**.
3. Follow the instructions to create the new user and then tap **Save**.
4. Tap the newly created user tile, and then tap **Get Activation Code**. This generates a 12-digit activation code which, is sent to the new user via text message.
5. Instruct the new user to open the Trane Pivot mobile app, tap on **Use 12 Digit Code**, and then enter the code. The new user will now have access to the account.
6. Repeat the above procedure to add additional users.

Transferring the Account

It may be necessary for the installer to set up an account while installing and configuring the Pivot thermostat. It is now possible for the installer to transfer this account over to the building owner when installation is complete.

1. From the Pivot mobile app, tap **Transfer Account**.
2. Follow the on-screen directions to transfer the installer account over to the



The Trane Pivot Mobile App

building owner.

Upon successful transfer of the account, the building owner then becomes the account owner.

Creating Multiple Buildings

By default, the Pivot mobile App creates one building named “My Building.” Multiple buildings equipped with Pivot thermostats can be created individually under the account. Thermostats and groups can then be associated with each building.

Best practice is to create buildings in the Pivot mobile app before enrolling thermostats into the account. This ensures that the thermostat will be enrolled into the correct building.

To create a new building and add thermostats:

1. Tap **Building Configuration > New Building**.
2. Enter a name for the building and a postal code. The postal code ensures that the correct time will be configured on the thermostat. Tap **Save**.
3. Navigate to the **Dashboard**, then tap the desired building icon.

***Note:** Ensure that you have selected the correct building — moving a thermostat from one building to another building requires unregistering the thermostat from the account and then reregistering it back to account.*

4. Tap **Enroll New Device**, and then tap **Get Code**. A 5–digit code appears, which expires after 10 minutes.
5. At the thermostat, navigate to the **Pivot Registration** screen. Enter the 5–digit code and then tap **Next**. The thermostat will be registered in approximately 60 seconds.

Moving a Thermostat to Another Building

Moving a thermostat to another building requires unregistering the thermostat from the account and then reregistering it back to account. Before adding thermostats to a building, always ensure that you have selected the correct building.

To move a thermostat to a another building:

1. At the thermostat, navigate to **Home >Menu > Pivot registration**.
2. Tap **Unregister**. A confirmation dialog appears. Tap **OK** to confirm.
3. At the Pivot mobile app, tap on the building in which you want to enroll the

thermostat.

4. Tap **Enroll New Device**, and then tap **Get Code**. A 5–digit code appears. expires after 10 minutes.
5. At the thermostat, navigate to the **Pivot Registration** screen. Enter the 5–digit code and then tap **Next**. The thermostat will be registered in approximately 60 seconds.

To move a thermostat to another building (Pivot mobile app):

1. From the **Dashboard** screen, navigate to the building in which the thermostat is located.
2. Tap the selected thermostat icon to expand the contents, then tap **Settings** at the bottom of the screen.
3. Tap **Remove [thermostat name] from Pivot**. A confirmation dialog appears. Tap **OK** to confirm removal.
4. From the building in which you want to enroll the thermostat, tap **Enroll New Device**, and then tap **Get Code**. A 5–digit code appears, which expires after 10 minutes
5. At the thermostat, navigate to the **Pivot Registration** screen. Enter the 5–digit code and then tap **Next**. The thermostat will be registered in approximately 60 seconds.

Trane Pivot Mobile App Firmware Updates

Firmware updates for the Trane Pivot mobile app are released three to four times per year. The Trane Pivot mobile app does not offer automatic firmware updates. Firmware updates must be initiated by the user. To look for recent firmware updates, search for the Pivot app on the Google Play® store for Android devices, or the App Store® for iOS devices. If a firmware update is available, the app main page will display Update. Tap **Update** to download and install the updated firmware.

Uninstalling the Trane Pivot Mobile App

To uninstall the Trane Pivot mobile app, search for the Pivot app on the Google Play® store for Android devices, or the App Store® for iOS devices. The app main page will have an option to Uninstall. Alternatively, you can uninstall the app from the settings feature in the mobile device.



Alerts

This feature allows users to view alerts from the thermostat in the Pivot Mobile App. Users can also set high/low temperature and humidity limit alerts using the Pivot Mobile App, which triggers alerts when heating, cooling, and humidity issues arise.

Setting Up Alerts

Setting up alerts in the Pivot Mobile App is accomplished in two parts.

Part 1: Alerts Subscription Setup

1. From the Pivot Mobile App dashboard, tap on the menu drop-down in upper left corner and then select **Alerts**. All active alerts are listed on this screen. From this screen you can set up alert subscriptions for each thermostat. An alert subscription is a process that enables alerts to travel from the thermostat to the Pivot Mobile App.
2. Tap **Alert Subscriptions** in the upper right corner.
3. Tap **Add Contact** in upper right corner.
4. Tap **Edit Settings** to create a contact. Enter an email or phone number and select thermostats you want to get alerts from, then tap on **Save**.

Part 2: Thermostat Setup and Selection

1. On the Pivot Mobile App, navigate back to the dashboard and select the thermostat to enable alerts. The thermostat screen opens.
2. Tap **Settings** in the lower right corner.
3. Tap **Alerts**. Select whether to enable Thermostat Fault alerts and Temperature High/Low alerts and High/Low Humidity alerts if they were configured in the thermostat. If an alert is enabled, the screen expands allowing you to set the high and low temperature alarm triggers by using the up and down arrows.
4. Tap **Apply**. A dialog box appears asking if you want to apply the settings to additional thermostats.

For this thermostat only — tap **No**, then tap **Apply**. A confirmation message appears at the bottom of screen.

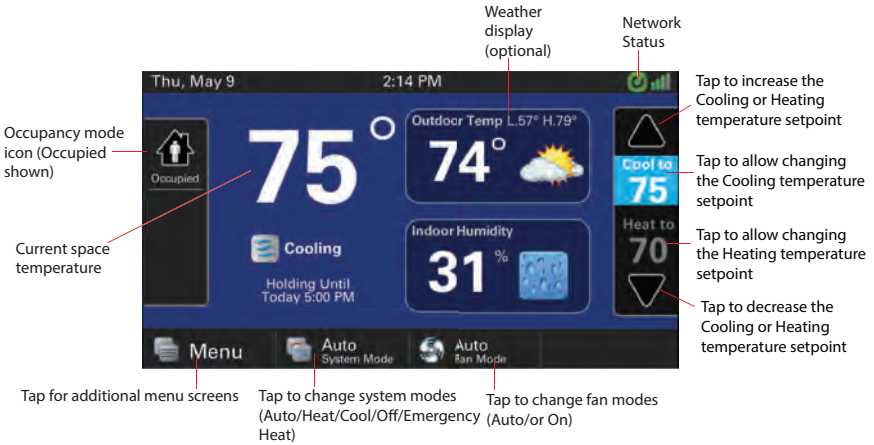
For additional thermostats — tap **Yes**. A dialog box appears in which you can select additional thermostats. Make your selections, and tap **Apply**. A confirmation message appears at the bottom of the screen.



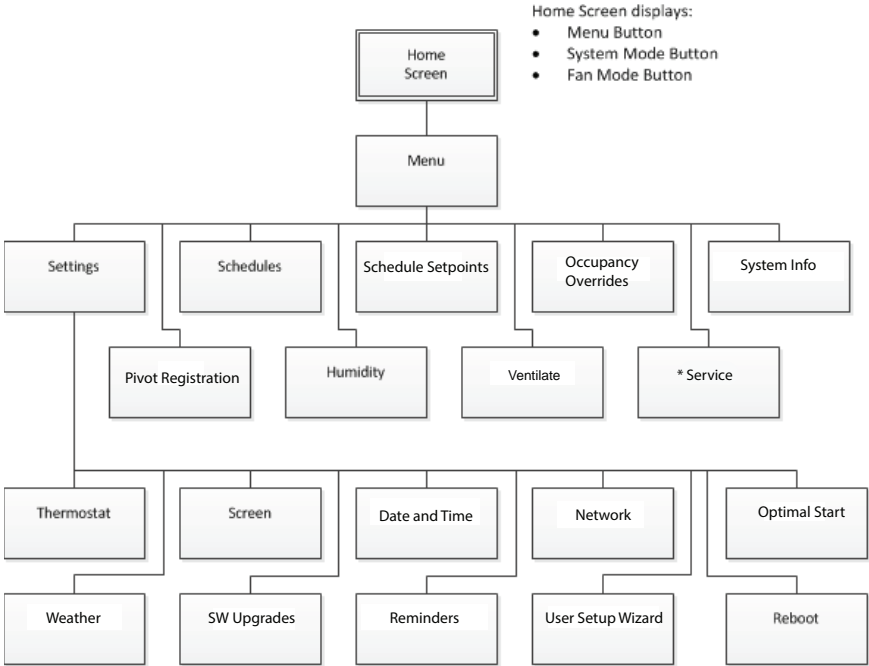
Thermostat Home Screen

The features and functions of the thermostat Home screen are described in the following figure. The Menu screen and the Settings screen are described in subsequent sections.

Figure 2. Thermostat interface home screen (icons and functions)



Interface Flowchart



Note: * Access the Service Menu by pressing the Technician Access button for 5 seconds.



Menu Screen



Feature	Description
Settings	Accesses all user setting screens.
Schedules	View or edit schedules. Tap to Enable/Disable scheduling.
Schedule Setpoints	Change occupied and unoccupied temperature setpoints, and override limits.
Occupancy Override	Change override duration.
System Info	Allows system information display alerts, notifications, and other information about the thermostat.
Pivot Registration	Register or unregister the thermostat from the Pivot mobile app.
Humidity	Set target humidity level.
Ventilate	Set ventilation options. Only available when ventilation is enabled through Installer Setup.
Service	Allows contractor to make changes to the Thermostat Installer Setup screens and diagnostics. Access the Service Menu by tapping Home > Menu > Service > Technician Access (press for 5 seconds) > Service Menu .
Home	Returns user to the Home screen.
Back	Returns user to the previous screen.



Settings Screen



Feature	Description
Thermostat	Set temperature scale, setpoint deadband, indoor temperature sensor calibration, outdoor temperature sensor calibration, and source of displayed weather.
Screen	<ul style="list-style-type: none"> • Display: adjust screen display brightness, backlight timeout, screen saver, color themes. • Screen Layout: select up to two apps for display on Home screen. • Clean Screen: disables screen for 30 seconds to allow for cleaning. • Access Restrictions: screen features can be locked out. See "Setting Up Access Restrictions," p. 30.
Date and time	Manually set the date, time, and time zone when not connected to a Pivot account.
Network	Displays network information and allows network setup.

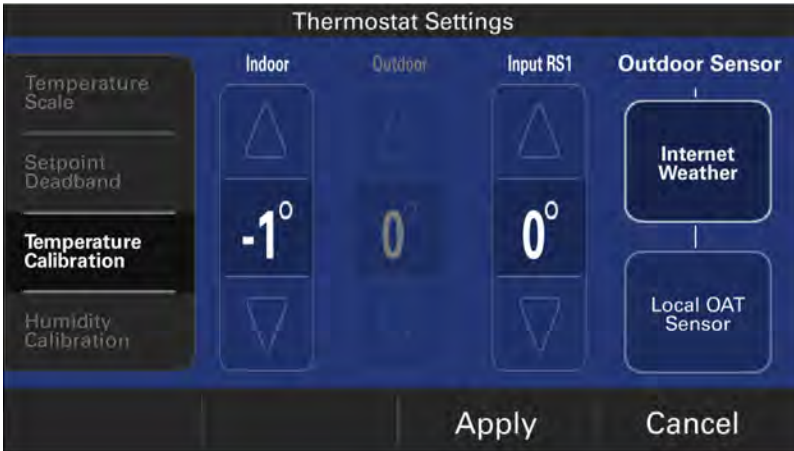
Settings Screen

Feature	Description
Optimal Start/Stop	Enable/disable energy savings options: Optimal start adjusts the setpoint prior to schedule occupancy based on history and current outdoor temperature in order to meet set point by the start of the scheduled occupancy. The optimal start time is the earliest the system is allowed to start heating or cooling. Optimal stop allows the zone temperature to fluctuate up to 2 degrees from the setpoint prior to the end of a scheduled occupancy. The earliest allowed for fluctuation is the Optimal Stop Time.
Weather	Set up local weather information when registered with the Trane Pivot mobile app.
SW Upgrades	Tap to manually upgrade to the current software version. <i>Note: Manual upgrades require an internet connection or a USB flash drive with the software upgrade.</i> <i>Note: Software upgrades occur automatically if the thermostat is connected to the internet.</i>
Reminders	Displays any service that is required for system maintenance or reminders.
User Setup Wizard	A guided process that sets up all user settings after initial installation.
Reboot	Reboots the thermostat.
Home	Tap to return to the Home screen.
Back	Tap to return to the previous screen.

Thermostat Settings

Navigate to **Home > Menu > Settings > Thermostat > Temperature Calibration**.

Figure 3. Temperature calibration screen



This screen allows the user to calibrate sensor inputs and pick the source of outside air temperature to display on the Outdoor Temperature widget.

- The adjustment column on the left will calibrate either the indoor on-board sensor or a remote indoor sensor connected to RS1 input.
- The next two adjustment columns will calibrate inputs that were configured in the Installer Setup for either Outdoor Air Temperature or Other Temperature.

Note: The adjustment columns availability and labels will vary according to how the thermostat inputs are configured in Installer Setup.

- The Outdoor Sensor column on the far-right side of the screen selects the source of outside temperature displayed on the Outdoor Temperature widget. Internet Weather displays data from a weather station in close proximity to the postal code that was entered during User Setup Wizard. Local OAT Sensor displays temperature from a wired sensor connected to the ODT input by the installer. The Outdoor Temperature widget can be placed on the Home screen via **Home > Menu > Settings > Screen > Screen Layout > Outdoor Temperature**.

Note: *If Local OAT is selected, and the Local OAT Sensor goes into fault, the Outdoor Temperature widget will then display Internet Weather. However, if Internet Weather is selected and goes into fault, Local OAT Sensor data will not be shown.*



Schedules

Tap **Menu > Schedules** to view or edit the schedule. If the schedule is disabled, it will not be displayed.

Note: Schedules must be enabled for this screen to be shown.



Feature	Description
Current Day	Displays each day of the week.
Start and Stop time adjust	Tap the Up/Down arrows to adjust the schedule start and stop time. The top set of arrows adjusts the start time; the bottom set of arrows adjusts the stop time.
Add	Tap to add a new period into the system.
Delete	Tap to delete a period from the system.
Enable/Disable Schedule	Tap to either enable or disable schedules. When the schedule is disabled, tap the building icon on the Home screen to move back and forth between the occupied setpoints and unoccupied setpoints. The thermostat will not follow the schedule.

Modifying Schedule Periods

1. Access the existing schedule. Tap on the preferred period (see [Figure 4, p. 21](#)).
2. Tap on the **Up/Down** arrows to adjust the start and stop times.
3. Continue to make adjustments to the other schedule periods if necessary.

4. Tap **Save** to save changes and exit. Tap **Cancel** to discard any changes.

Figure 4. Modifying schedule periods



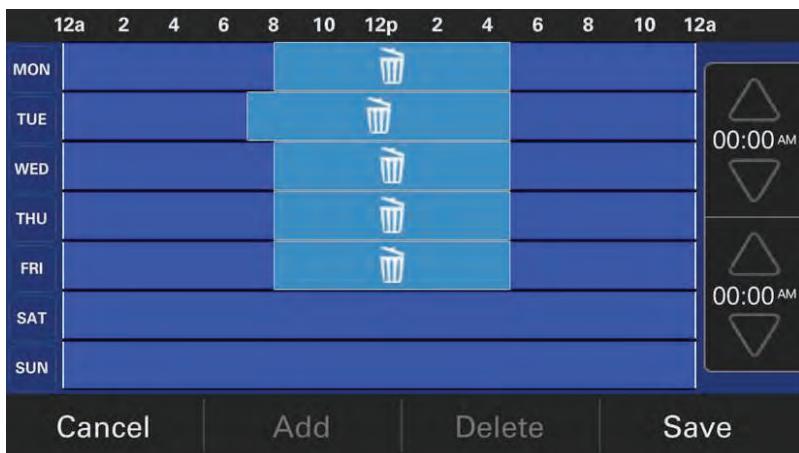
Deleting Schedule Periods

1. Access the **Schedule Screen** and then tap **Delete** (see [Figure 5, p. 22](#)).
2. Tap the **Trash** icon for the period(s) that you want to delete.
3. Tap **Save** to delete the selected schedule or **Cancel** to return to the schedule screen without deleting.



Schedules

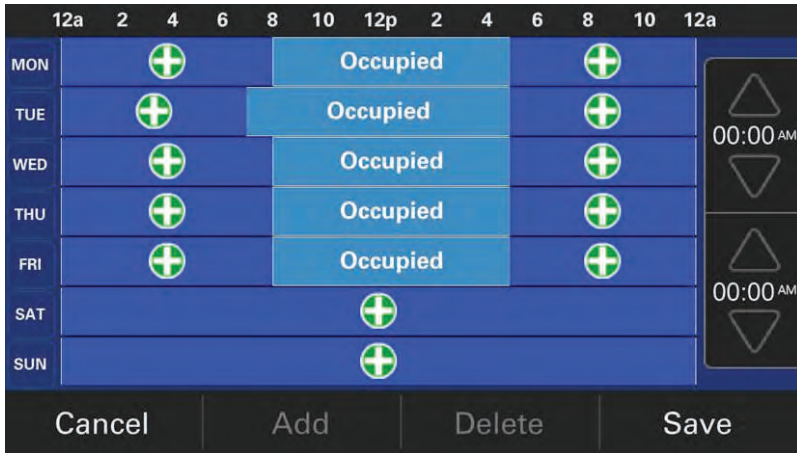
Figure 5. Deleting schedule periods



Adding Schedule Periods

1. Access the **Schedule Screen** and tap **Add** (Figure 6, p. 23).
2. On the **Add** screen, tap the **plus sign** to add a new schedule period.
3. On the right side of the screen, tap the **Up/Down** arrows to select start and stop times.
4. Tap **Save** to save the new schedule or **Cancel** to return to the schedule screen without saving.

Figure 6. Adding periods to a schedule



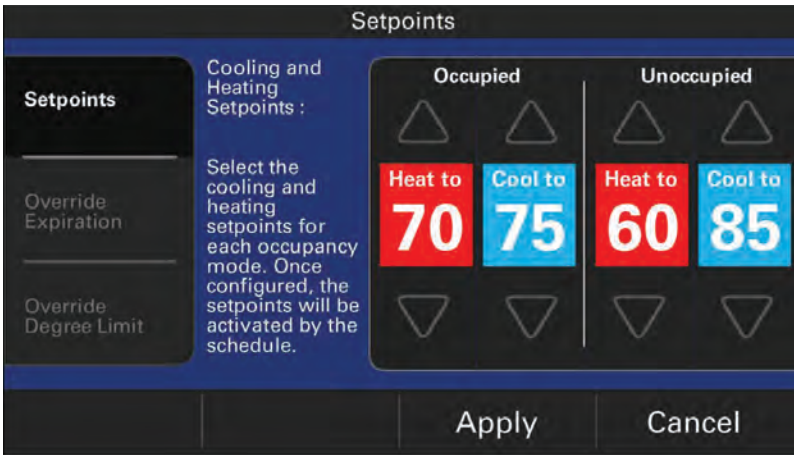


Setpoint Adjustment

From the Setpoints screen you can adjust temperature setpoints that the thermostat uses to control heating and cooling in both occupied and unoccupied modes.

1. Navigate to **Home > Menu > Schedule Setpoints > Setpoints**.
2. To set occupied **Heat to** temperature, tap the **Up/Down** arrows to adjust.
3. To set occupied **Cool to** temperature, tap the **Up/Down** arrows to adjust.
4. To set unoccupied **Heat to** temperature, tap the **Up/Down** arrows to adjust.
5. To set unoccupied **Cool to** temperature, tap the **Up/Down** arrows to adjust.
6. Tap **Apply** when finished.

Figure 7. Setpoints screen

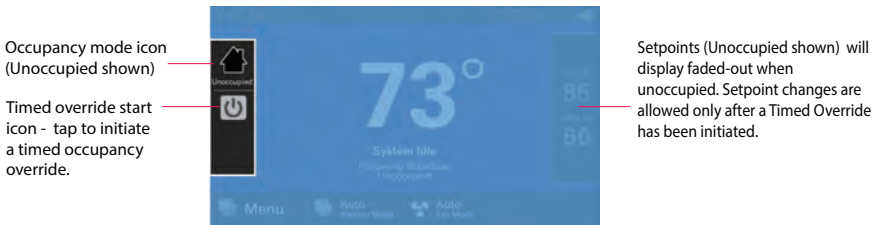


Enabling After-hours Timed Occupancy Override

To obtain heating or cooling during unoccupied periods, a user can set up a Timed Occupancy Override. During unoccupied periods, the unoccupied setpoints are used and temperature adjustment options on the right side of the screen are not allowed.

As a result, most of the screen is faded-out to help the user focus on the Timed Occupancy Override start function on left side of screen (see [Figure 8, p. 25](#)).

Figure 8. Unoccupied mode (timed override start icon emphasized)



To start a Timed Occupancy Override when schedules are enabled:

- From the left side of the Home screen, tap the timed override start icon. The thermostat changes to occupied mode and the temperature setpoints change to the occupied setpoints. A count-down timer is activated (see the following figure). The timer default is 2 hours.

Figure 9. Timed occupancy override (timer count-down)



- After the count-down timer ends, the thermostat reverts to unoccupied mode and the temperature setpoints also revert to unoccupied values.
- The Timed Occupancy Override can be cancelled by tapping **X** on the left side of the Home screen, or can be restarted by tapping **Restart**.
- The 2-hour default timer can be changed by navigating to **Home > Menu > Occupancy Override > Duration Limit**. Select from 2 to 10 hours, then tap **Apply**.

To override a temperature setpoint when schedules are disabled:

If schedules are disabled, Timed Occupancy Override is not available. To change the temperature setpoint, do one of the following:

- If the thermostat is in Unoccupied mode, tap the occupancy mode icon to change the mode and setpoints to Occupied. The thermostat will continue to use the occupied setpoints until manually changed by a user.

Setpoint Adjustment

- If the thermostat is in Occupied mode, tap the occupancy mode icon to change the mode and setpoints to unoccupied. The thermostat will continue to use the unoccupied setpoints until manually changed by a user.

Setting Up Temporary Setpoint Adjustments

Note: Temperature adjustments (overrides) are only available when the thermostat is in occupied mode or if the schedule is disabled.

The following figure illustrates how to temporarily override a temperature setpoint when in occupied mode.

Figure 10. Screen showing a temperature override



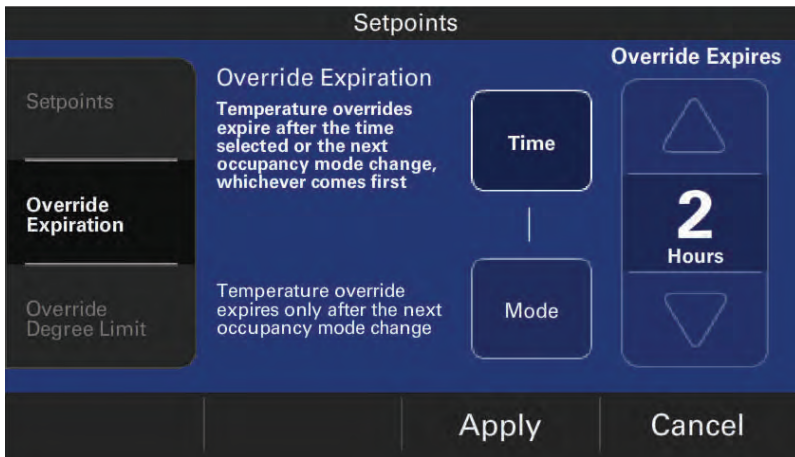
The temperature override will remain in effect until the next occupancy mode change, or a predetermined amount of time, depending on how the temperature override expiration has been set up. See “Setting Up a Temperature Override Expiration,” p. 26.

Setting Up a Temperature Override Expiration

To set up a temperature override expiration:

1. Navigate to **Home > Menu > Schedule Setpoints > Override Expiration** (see Figure 11, p. 27).
2. Select how the Temperature override will be configured:
 - **Mode** (tap to set the override to expire at the next occupancy mode change).
 - **Time** (tap, then use the **Up/Down** arrows to select the expiration in hours).

Note: The override will expire during the next occupancy mode change or the time indicated — whichever comes first.
3. Tap **Apply** to save.

Figure 11. Override expiration when set to time


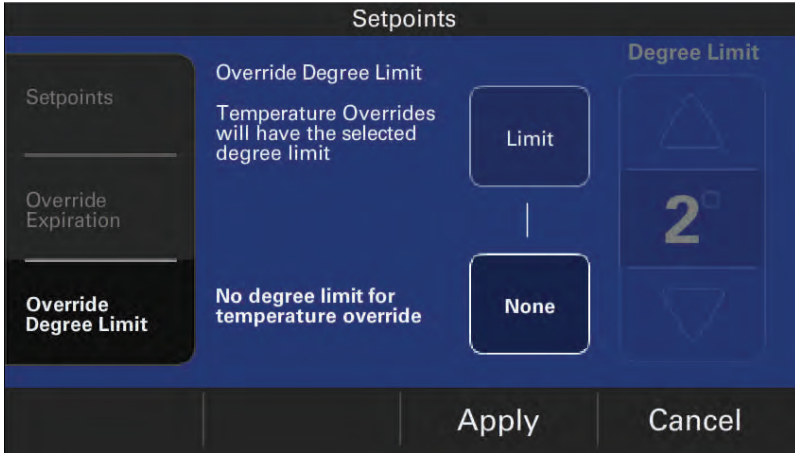
Setting Up a Temperature Override Degree Limit

To configure degree limits on a Temperature override:

1. Navigate to **Home > Menu > Schedule Setpoints > Override Degree Limit** (see [Figure 12, p. 28](#)).
2. Tap **Limit**. The degree limit icons are enabled.
3. Use the **Up/Down** arrows to set the number of degrees that a Temperature override is limited to.
4. Tap **Apply** to save.

Setpoint Adjustment

Figure 12. Override degree limit



Note: A zero (0) degree adjustment results in no adjustments being allowed from the Home screen.



Customization and Added Features

This section describes customization options and additional security and energy saving features.

Customizing the Home Screen Layout

You can add or remove special apps from the Home screen to correspond to what other users in your organization may need to effectively operate the system.

To add or delete apps from the thermostat Home screen:

1. Navigate to **Home > Menu > Settings > Screen Layout**.
2. Tap an app to enable or disable it on the Home screen. A maximum of two apps can be displayed on the screen.

The following apps are available depending on thermostat configuration:

- **Outdoor temperature** — Displays the current outdoor temperature and weather conditions. The source of the temperature can be either Internet Weather or a local sensor hardwired to ODT input. (See Configuring the Outdoor Temperature Source below).
- **Indoor humidity** — Allows changes to be made for the humidification or dehumidification levels (if enabled).
- **Contractor Contact** — Displays the service contractor information. This information can be changed by tapping the app and entering a new contractor code provided by your authorized contractor.
- **Air Cleaner** — Located on the Home screen. Manual activation of the blower to filter the air.
- **System Status** — Located on the Home screen and used to access system parameters.
- **Input RS1** — This app appears only if the installer configured the RS1 input during installation. This app may display Remote Space Temperature, Other Temperature, or a Binary Input depending on the installer configuration. The label on the icon may have been changed during thermostat configuration to a custom name that has meaning for the application.
- **Input ODT** — This app appears only if the installer configured the ODT input during installation. This app may display Outside Air Temperature, Other Temperature, or a Binary Input depending on the installer configuration. The label on the icon may have been changed during

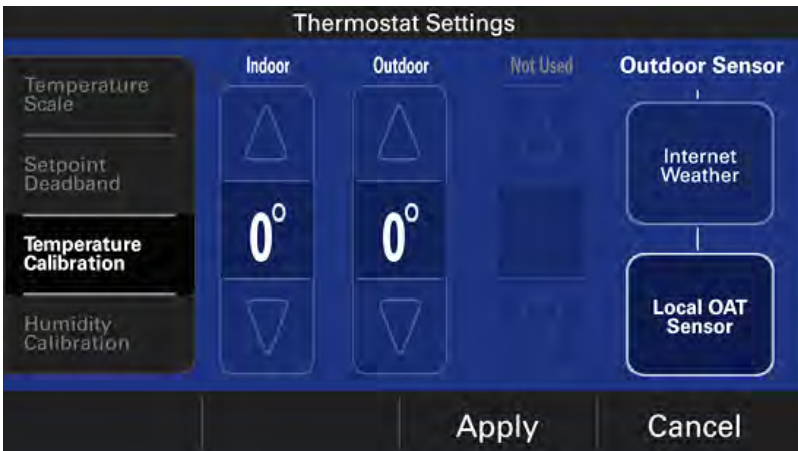
Customization and Added Features

thermostat configuration to a custom name that has meaning for the application.

Configuring the Outdoor Temperature Source

1. Navigate to the temperature source for the Outdoor Temperature widget: **Home > Menu > Settings > Thermostat > Temperature Calibration**.
2. Under the Outdoor Sensor column, select either **Internet Weather** or **Local OAT Sensor**.

Figure 13. Configuring the outdoor temperature source



Setting Up Access Restrictions

Access to control settings in the thermostat can be restricted to four different levels: None, Low, Medium, or High.

To set the restrictions from the thermostat:

1. Navigate to **Home > Menu > Settings > Screen > Access Restrictions**.
2. Select the preferred restriction level, then tap **Apply**.
The restriction will take effect in approximately 60 seconds.

To set restrictions from the Pivot Mobile App:

1. From the Dashboard screen select the thermostat where you want to add the restriction.

Customization and Added Features

2. Tap **Settings > Restrictions: Access Level**.
3. Tap the preferred restriction level, then tap **Apply**.
 - **None** — allows access to all features in the **Menu** and **Settings** screens, allowing the user to change everything.
 - **Low** — disables access to the **Menu** screen, but allows **System** and **Fan Mode** changes as well as temperature setpoint adjustment and timed overrides.
 - **Medium** — disables access to the **Menu** screen and **System** and **Fan Mode**, but allows temperature setpoint adjustment and timed overrides.
 - **High** — disables access to the **Menu** screen and **System** and **Fan Mode**, and hides the buttons, but allows temperature setpoint adjustment and timed overrides.

Important: *If the thermostat is set to low, medium, or high access restriction, you can disable the restriction by pressing the Menu button for 5 seconds. The Menu screen will display, allowing you to navigate to the Restrictions screen and change the restriction level.*

Setting up Passcode Restrictions (PIN Access)

Access to the Menu screen and Service screen can have additional security enabled in the form of a 4 digit PIN code. This will result in a more secure thermostat rather than using only Access Restrictions as explained in the previous section.

PIN Access for the thermostat is set up using the Pivot Mobile App. Either the account owner or any account user can set up PIN access. PIN Access is set up under an individual thermostat: **Settings > Restrictions: Pass code**.

Note: *PIN access can be set up for the thermostat; however, users must have Access Restriction set to Low, Medium, or High in order for PIN access to function on the Main Menu.*

Language Support

The Pivot thermostat supports English, Spanish, and French Canadian languages. Language selections are done at the thermostat.

To change the language displayed on the thermostat:

1. On the thermostat Home screen, tap **Menu > Settings > Screens > Language**.
2. Select a language. The thermostat will run through the initialization process, after which the new language will be displayed.



Customization and Added Features

Emergency Heat Enable

Emergency Heat can be enabled at the thermostat or from the Trane Pivot mobile app.

Note: *Emergency heat is only available if your system is a heat pump.*

At the thermostat:

1. On the thermostat Home screen, tap **System Mode > System Options > Emergency Heat Enable > Done**.

At the Pivot mobile app:

1. From the Dashboard screen, navigate to the building where the thermostat is installed.
2. Tap **Settings** in the lower right corner, then tap the **Emergency Heat** selection to enable (or disable).

Open Automatic Demand Response (OADR)

The Open Automatic Demand Response (OADR) program option works in conjunction with local utility or energy aggregators to reduce energy consumption during peak demand periods. When enrolled in this program the utility or energy aggregator transmits a signal to the thermostat, which automatically sets the cooling setpoints higher or the heating setpoints lower. Typically these events last for a few hours and have little impact on occupant comfort.

To register the thermostat for OADR:

From the Home screen on the thermostat, tap **Menu > System Info > Demand Response > Registration**.

The **URL** and **Port Number** is obtained from the utility or aggregator web site. The **VEN ID** is an identity you create for your thermostat.

Note: *It is strongly recommended to have PIN Access restriction set up on the thermostat if using the OADR feature.*



Specifications

Specification	Description	Specification	Description
Touch Screen Display	4.15 inches x 2.65 inches (4.3 inches diagonal)	Auxiliary Heat Lockout	32°F to 70°F
Configurations	<ul style="list-style-type: none"> Heat/cool Dual fuel Heat only Cooling only Heat pump 	Compressor Heat Lockout	5°F to 70°F
Maximum Number of Stages	<ul style="list-style-type: none"> Conventional: Three heat/two cool Heat pump: Two compressors, three auxiliary heat 	Cooling Setpoint Temperature Range	60°F to 99°F, 1°F resolution
Storage/Operating Temperatures	-40°F to 175°F, 5% to 95% RH non-condensing	Heating Setpoint Temperature Range	55°F to 99°F, 1°F resolution
Input Power	24 Vac	Indoor Temperature Display Range	-40°F to 122°F
Power Consumption	3 VA typical, 7 VA maximum	Outdoor Temperature Display Range	-40°F to 147°F
Wire Usage	18 AWG (300 ft maximum for remote sensors)	Indoor Humidity Display Range	0% to 100%, 1% resolution
System Modes	<ul style="list-style-type: none"> Auto Heating Cooling Off 	Minimum Cycle Off Time	<ul style="list-style-type: none"> Compressor; 5 minutes Indoor Heat; 1 minute
Fan Modes	<ul style="list-style-type: none"> Auto On 	Mobile App operating system	Android and iOS



Specifications

Specification	Description	Specification	Description
Binary Input Open state	(RS1 or ODT input configured as a Binary Input). In order for the Binary Input to recognize an open signal, the external device, such as mechanical relay contacts (recommended gold-plated contacts), switch, solid state relay, or opto-isolator outputs must provide an open signal that measures greater than 330K ohms — preferably near infinite ohms. Binary Inputs are polarity sensitive, which may affect solid state relay and opto-isolator output operation.	Binary Input Closed state	(RS1 or ODT input configured as a Binary Input). In order for the Binary Input to recognize a closed signal, the external device, such as mechanical relay contacts (recommended gold-plated contacts), switch, solid state relay, or opto-isolator outputs must provide a closed signal that measures less than 3.0K ohms — preferably near 0 ohms. Binary Inputs are polarity sensitive, which may affect solid state relay and opto-isolator output operation.
Wi-Fi	Pivot supports IEEE 802.11b/g/n, 2.4GHz only.	Ethernet	Pivot supports IEEE 802.3
Relay contact rating	2 Amps, 24 Vac		

Pivot Smart Thermostat Support

For issues with thermostat setup and operation, or with the Trane Pivot mobile app, contact Pivot Support (833)-222-3201.



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