DISTECH CONTROLS™

Allure UNITOUCH

User Guide

Connecting People with
Intelligent Building Solutions

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CHAPTER 1
Introduction to the Allure Unitouch

The Allure Unitouch is an elegant and sophisticated room device that provides an intuitive user interface, allowing wireless control of room comfort parameters from a smartphone using *Bluetooth*® low energy technology. Its compact style and slim profile provides a modern appearance when installed in any setting.

The high resolution 3.5” capacitive touch screen makes this communicating sensor the ideal all-in-one solution for a wide range of HVAC, lighting, and sunblind applications; a perfect addition to the Smart Room Control solution.

About Allure Unitouch Versions

Distech Controls supports two generations of Eclypse controllers and Allure Unitouch devices. Depending on the respective firmware versions of your device and the controller to which it is connected, some of the features described in this user guide may or may not be available. The table below outlines the feature availability for each device/controller generation combination.

	Eclypse Gen 1 (1.19 Controller)	Eclypse Facilities (2.4+ Controller)
Allure Unitouch Gen2 (DFF 1.6)	Compatible • Firmware downgrade to 1.5 needed (Note: Unitouch will stay in loading screen from the connection to the completion of the firmware downgrade) • Not supporting the new features and functionalities	Compatible • Supports new features and functionalities • Additional configuration synchronization time of approximately 30 seconds.
Allure Unitouch Gen1 (DFF 1.5)	Compatible • Will work as existing Allure Unitouch • Not supporting the new features and functionalities	Compatible • Supports new features and functionalities as the firmware upgrade will be automatic at the first connection • Other subnet devices will be in “Comm failure” during the time for the upgrade or long configuration synchronization • Note: Upgrade time to be considered: – Firmware upgrade: approximately 3 minutes – Configuration synchronization (with images): approximately 3 minutes 30 seconds – Total: approximately 6 minutes 30 seconds

NOTE: For the purposes of this guide, images of the Allure Unitouch Gen 2 interface have been used. The Gen 1 interface has slight differences, but the functionality is the same unless otherwise stated.

About This User Guide

This user guide shows you how to setup and operate the Allure Unitouch (hereon in referred to as Unitouch) communicating sensor.

This user guide does not provide and does not intend to provide instructions for safe wiring practices. It is the user’s responsibility to adhere to the safety codes, safe wiring guidelines, and safe working practices to conform to the rules and regulations in effect in the job site jurisdiction. This user guide does not intend to provide all the information and knowledge of an experienced HVAC technician or engineer.

The Unitouch is a programmable communicating sensor and can have many different programming configurations. While all efforts were made to show every option, icon, and screen available, some options represented in this document may or may not be available to you on your Unitouch device based on its programming in EC-*gfx*Program.

Intended Audience

This user guide is intended for system designers, integrators, electricians, and field technicians who have experience with control systems, and who want to learn how to correctly configure and operate an Allure Unitouch communicating sensor. It is recommended that anyone installing and configuring the devices specified in this user guide have prior training in the usage of Distech Controls devices and software.

Related Documentation

The follow documentation is referenced in this document. These documents are available on the Distech Controls Documentation Portal.

- Always refer to the Installation Guide for the devices you are installing
- EC-*gfx*Program User Guide
- ECLYPSE User Guide

CHAPTER 2
Navigating the User Interface

Home Screen

When enabled in EC-*gfx*Program, the home screen can provide a summary screen that includes all the information currently set up in the device. Your company's logo (or the Distech Controls logo if left in the default configuration) can also alternate with the summary screen when Home is selected.

When the summary screen is not enabled in EC-*gfx*Program, the home screen provides a rolling screen of all the information currently set up in the device.

With either type of home screen, simply tap the icons to access their controls.

Summary Screen

Depending on the configuration in EC-*gfx*Program, the summary screen can feature the ambient temperature or the CO_2 status indicator.

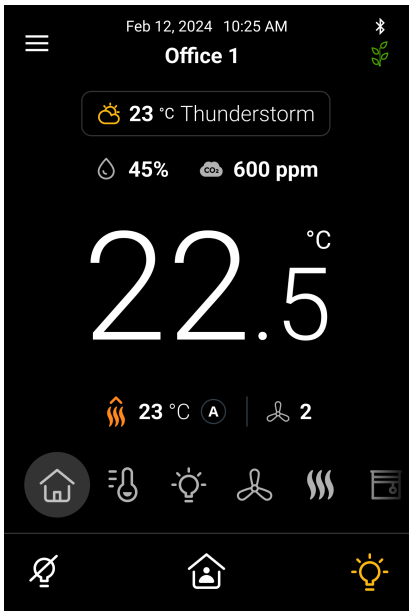


Figure 1: Summary screen displaying the ambient temperature

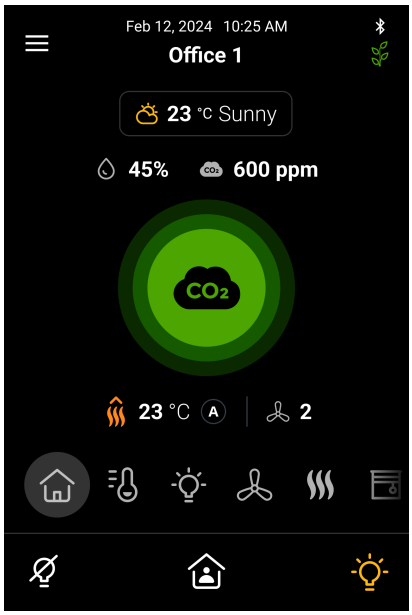
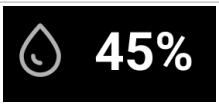
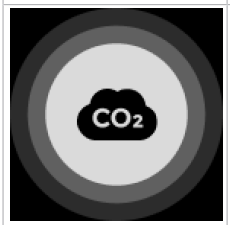
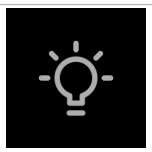
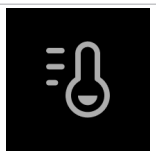
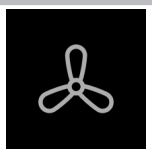
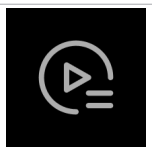
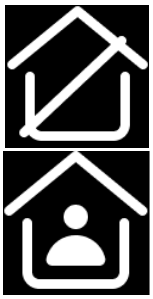


Figure 2: Summary screen displaying the CO_2 status indicator

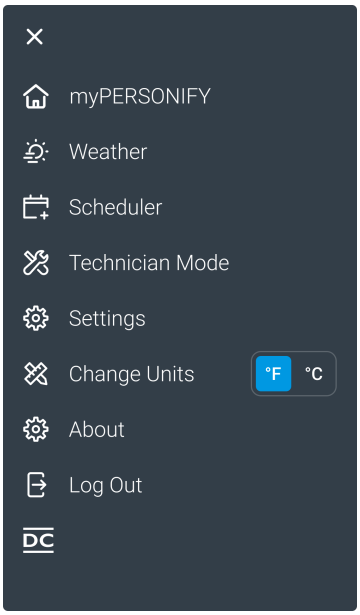
Icon	Description
	Tap the menu icon to access menu settings.
	This is where the room name defined in EC-*gfx*Program or the Eclypse Web Interface is displayed.
	Indicates whether Bluetooth connection is available.
	Indicates the efficiency of the system based on the ECO-View™ leaf pattern.
	The weather forecast for the location where the device is installed is displayed here.
	The percent humidity is indicated here.
	The measured carbon dioxide level (in ppm) is indicated here.
	When the summary screen mode is set to Temperature in EC-*gfx*Program, the ambient temperature is displayed here.
	When the summary screen mode is set to CO2 in EC-*gfx*Program, the CO_2 status indicator is displayed here. The indicator's color will change to reflect the ambient CO_2 level.
 	The temperature setpoint and HVAC mode is displayed here. Depending on the chosen programming, the setpoint offset may be displayed instead.
	The fan speed is displayed here.
	Tap the home button to return to the summary screen.
	Tap the lights icon to access lighting controls and lighting groups.
	Tap the temperature icon to access temperature controls and humidity and CO_2 information.

Icon	Description
	Tap the fan icon to access fan controls.
	Tap the sunblinds icon to access sunblind controls and sunblind groups.
	Tap the wave icon to access HVAC mode controls.
	Tap the custom actions icon to access any configured custom actions.
MIN / MAX	Tap the light bulb icons to instantly jump to the minimum or maximum intensities that are currently configured.
Unoccupied/Occupied 	Tap the occupancy icon to manually toggle between unoccupied or occupied mode.

Main Menu

Tap the menu icon in the top left corner to access the main menu.

The Distech Controls logo in the main menu screen is customizable and can be changed using EC-*gfx*Program.



my PERSONIFY App

Tap the *my* PERSONIFY tab to reveal QR codes that can be scanned with your mobile device. The QR code is a shortcut download link for the companion mobile application, *my* PERSONIFY.

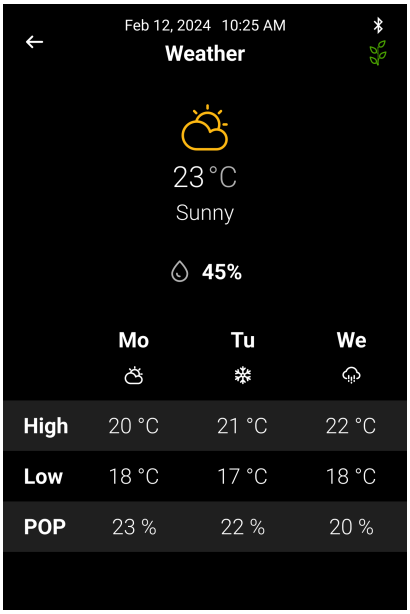
Tap the **Show code** button to reveal the pin code required to connect the *my* PERSONIFY app with that specific device.

Weather

NOTE: This feature is only available on Allure Unitouch devices running the generation 2 firmware.

Tap the Weather tab to display the weather conditions for the device's location.

The device's location is configured in the controller's configuration Web interface. For more information, refer to the Eclypse Facilities User Guide.



Scheduler

NOTE: This feature is only available on Allure Unitouch devices running the generation 2 firmware.

Schedules within the device can be viewed and configured using the scheduler. Scheduled events can be created, modified or deleted directly from the device or from the *my* PERSONIFY mobile app. See the my PERSONIFY User Guide for more information.

There are two types of schedules: Setpoint (showing a setpoint) and Occupancy (showing the occupancy status with the possibility to associate a single or dual setpoints by status).

An occupancy schedule shows the occupancy status defined for each event in the schedule. Depending on the selected programming, occupancy schedules can be shown with the occupancy status only, with dual setpoints, or with the heating or cooling setpoint. Setpoints are defined in EC-*gfx*Program, and depending on the programming, may or may not be edited from the device.

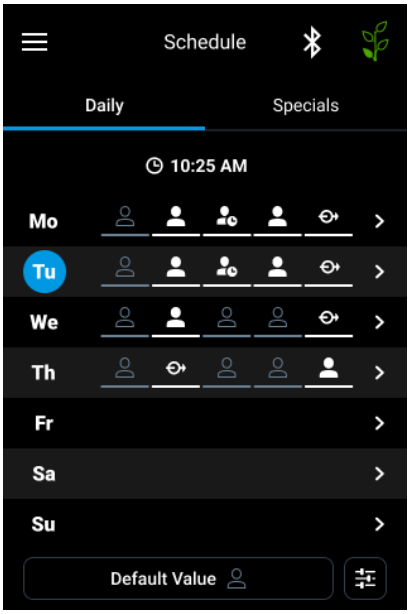


Figure 3: Overview of an occupancy schedule with editable setpoints

A setpoint schedule shows the setpoint defined for each event in the schedule.

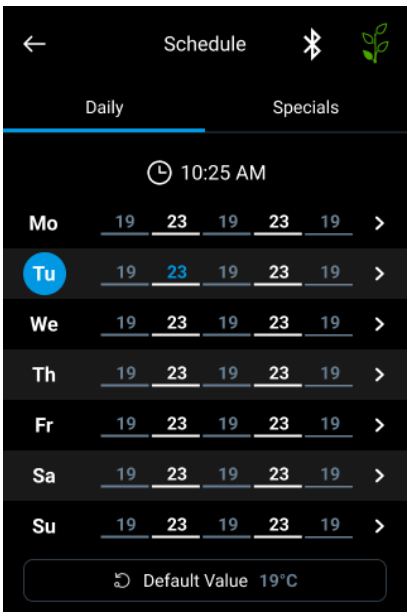


Figure 4: Overview of a setpoint schedule

For both schedule types, you can change the **Default Value** used when there are no events in the schedule.

Daily Schedules

The Daily tab shows an overview of the events scheduled for each day of the week. You can access a detailed view of each day's events and set a new default value.

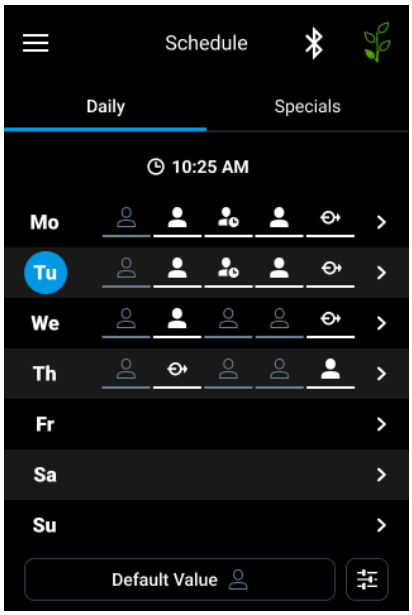


Figure 5: Daily Schedule Overview (Occupancy)

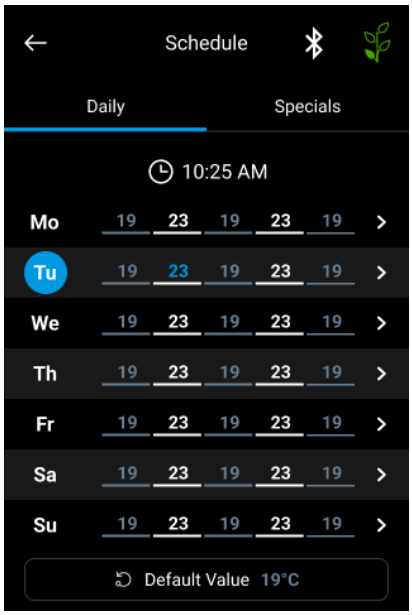
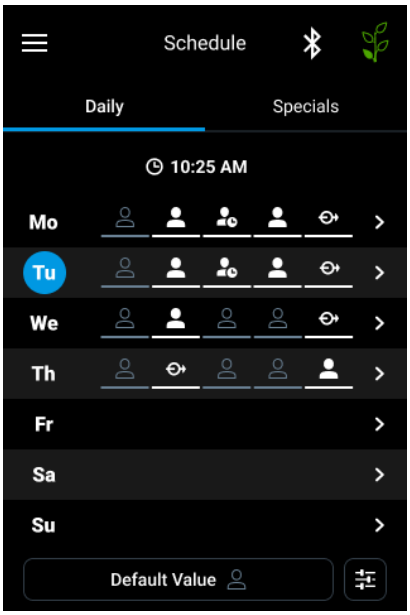
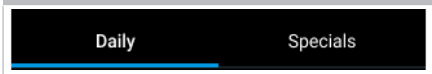
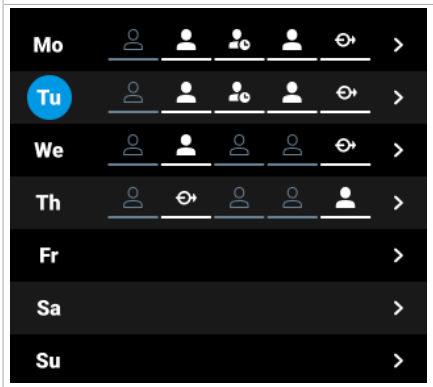


Figure 6: Daily Schedule Overview (Setpoint)

Occupancy Schedule

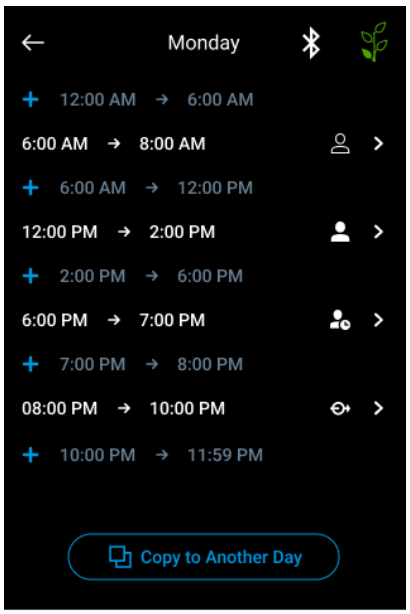
The Occupancy schedule shows the different occupancy status for each day of the week.



Item	Description
	Toggle between the Daily and Special events schedules.
	The current time is displayed here.
	An overview of the Occupancy status for each day of the week. Tap on a line to access a detailed view of the events planned for a specific day. See *Viewing a Day's Schedule*. Unoccupied Occupied Standby Bypass
	Tap to edit the default value for the occupancy schedule. See *Changing the Default Value*.
	Tap to edit the Cooling and/or Heating setpoints for the occupancy schedule. See *Changing Setpoints for Occupancy Statuses*. **NOTE:** Depending on the chosen programming, this option may be unavailable. In this case, the setpoints are entirely managed by the EC-*gfx*Program code.

Viewing a Day's Schedule

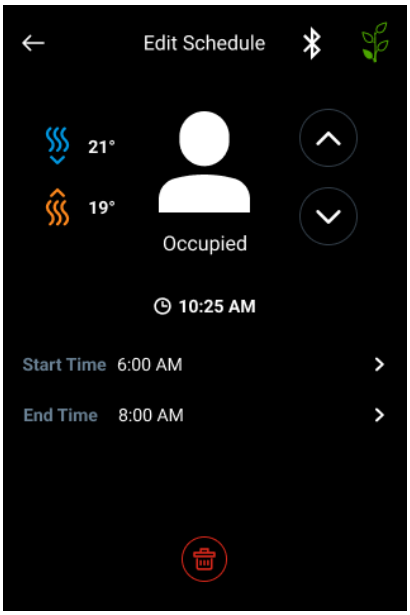
In the Schedule overview, tap a line to view a day's detailed schedule.

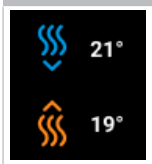
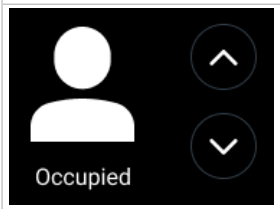


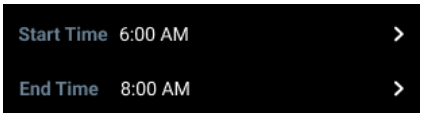
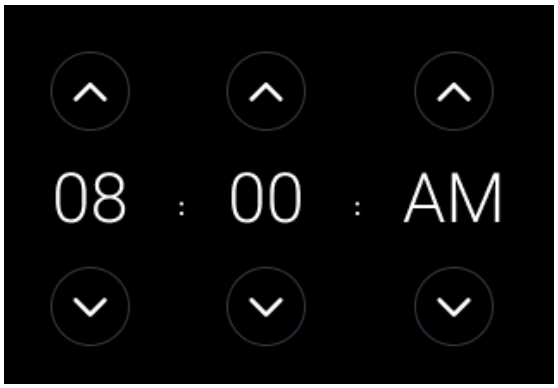
Item	Description
	Planned events are shown with their associated occupancy status. You can tap these events to edit them. See *Editing or Adding an Event*.
	Periods with no planned events are shown in gray. You can tap the plus icon to add events during these periods. See *Editing or Adding an Event*.
	Tap to copy the day's schedule to one or more other days. See *Copying Events to Other Days*.

Editing or Adding an Event

You can edit existing events or add new events to a day's schedule.

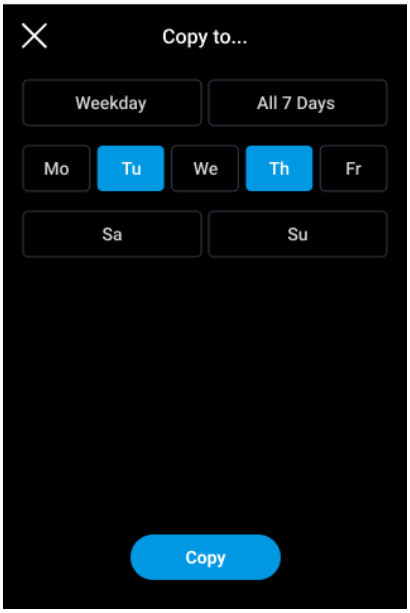


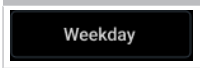
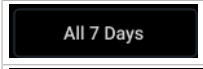
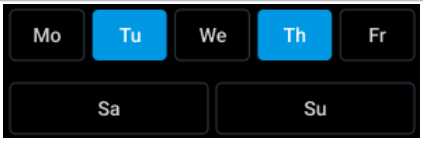
Item	Description
	The temperature setpoint for the heating/cooling modes is displayed here. **NOTE:** Depending on the chosen programming, a single setpoint may be shown, or no setpoint at all.
	Tap the Up and Down arrows to adjust the occupancy status.
	The current time is displayed here.

Item	Description
	Tap the arrow icon to adjust the event's Start and End times. 
	Tap to delete the event.

Copying Events to Other Days

Tap to copy a day's events to other days of the week.



Item	Description
	The events to copy will occur Monday-Friday
	The events to copy will occur every day of the week
	The events to copy will occur on selected days.

Changing the Default Value

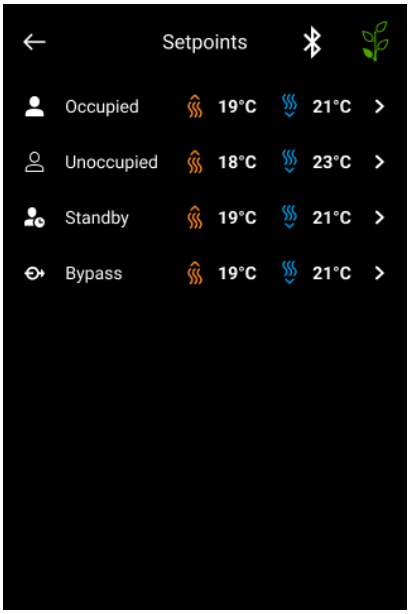
The default value is the value used when there are no events planned in the schedule. For instance, if the Default Value is Unoccupied, the system will use the setpoint for this occupancy status unless there is an event that specifies a different occupancy mode.

To set the default value, tap the Default Value button at the bottom of the Schedule screen and use the Up and Down arrows to select the occupancy status that should be used by default.

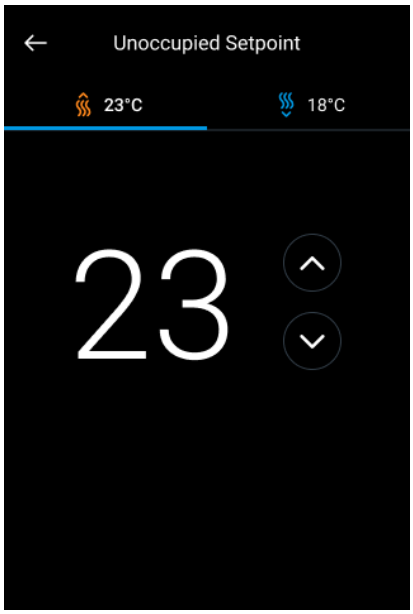
Changing Setpoints for Occupancy Statuses

You can change the Heating and Cooling setpoints for each occupancy status. Whenever these statuses are scheduled, the defined setpoints will be used.

Depending on the chosen programming, not all setpoints may be available.

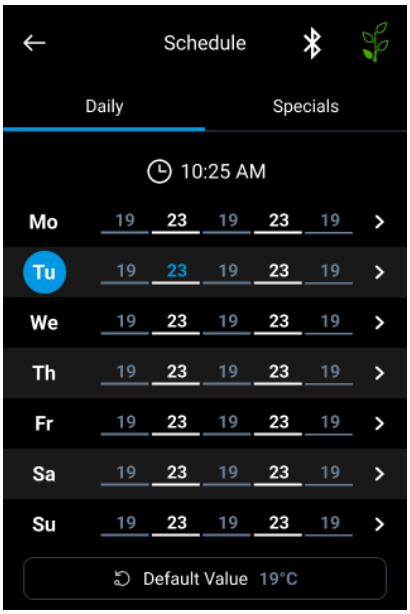


1. To change the setpoint(s) for an occupancy status, tap the status' line.
2. If available, tap the **Heating** or **Cooling** icon to select the setpoint you want to adjust.
3. Use the **Up** and **Down** arrows to change the setpoint value.

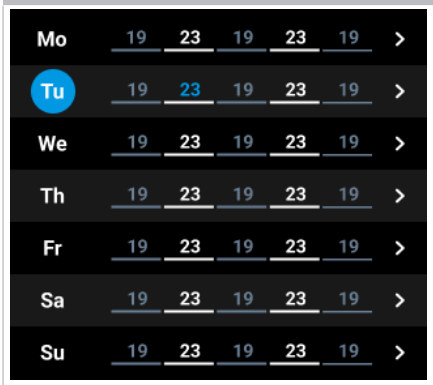


Setpoint Schedule

The Setpoint schedule shows the different setpoints used throughout each day of the week.

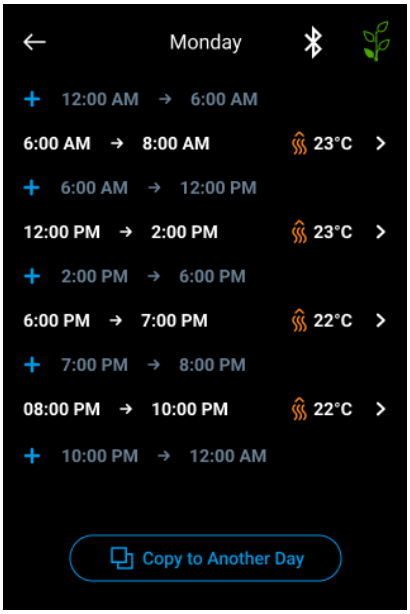


Item	Description
Daily Specials	Toggle between the Daily and Special events schedules.
10:25 AM	The current time is displayed here.

Item	Description
	An overview of the Setpoints for each day of the week. Tap on a line to access a detailed view of the events planned for a specific day. See *Viewing a Day's Schedule*.
	Tap to edit the default value for the schedule. See *Changing the Default Value*.

Viewing a Day's Schedule

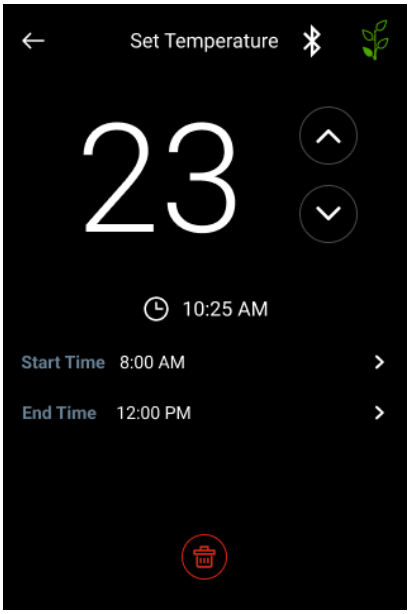
In the Schedule overview, tap a line to view a day’s detailed schedule.

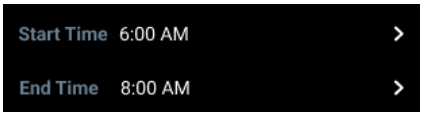
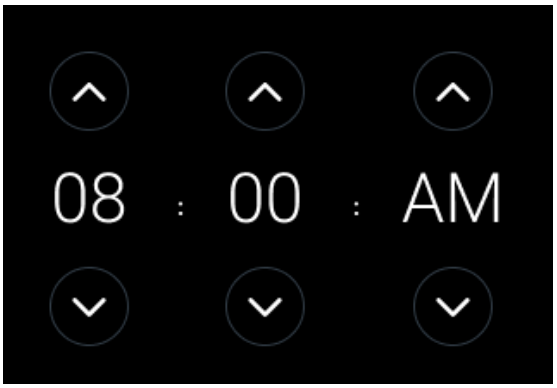


Item	Description
	Planned events are shown with their associated setpoint. You can tap these events to edit them. See *Editing or Adding an Event*.
	Periods with no planned events are shown in gray. You can tap the plus icon to add events during these periods. See *Editing or Adding an Event*.
	Tap to copy the day’s schedule to one or more other days. See *Copying Events to Other Days*.

Editing or Adding an Event

You can edit existing events or add new events to a day's schedule.

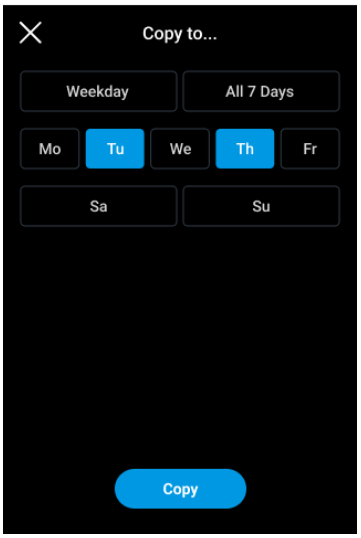


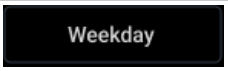
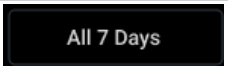
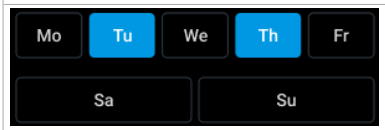
Item	Description
	Tap the Up and Down arrows to adjust the setpoint.
	The current time is displayed here.
	Tap the arrow icon to adjust the event's Start and End times. 
	Tap to delete the event.

Copying Events to Other Days

Tap

to copy a day's events to other days of the week.

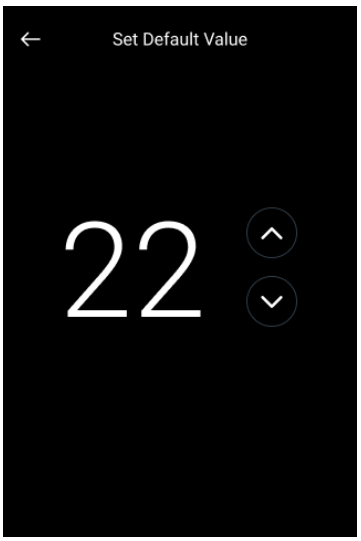


Item	Description
	The events to copy will occur Monday-Friday
	The events to copy will occur every day of the week
	The events to copy will occur on selected days.

Changing the Default Value

The default value is the value used when there are no events planned in the schedule.

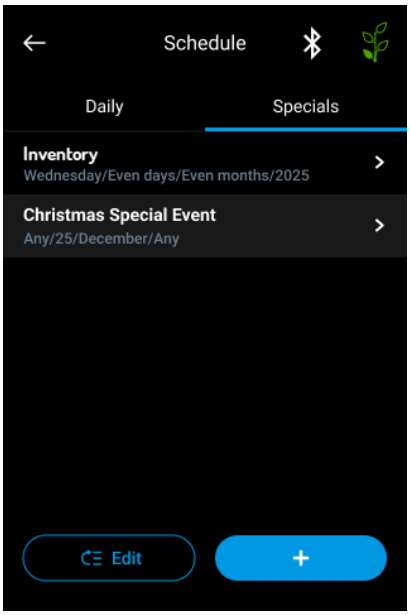
To set the default value, tap the Default Value button at the bottom of the Schedule screen and use the Up and Down arrows to select the occupancy status that should be used by default.

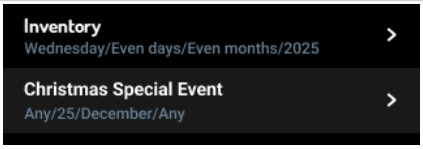


Special Events

Special Events define a number of “Special Days” in the currently selected schedule instance. Typically, they are used to define days with scheduling exceptions (for example, holidays). Special Events have priority over the Daily Schedule.

The Specials tab shows a list of the scheduled special events. You can access a detailed view of each special event, edit the existing events’ priority levels, and add new events.



Item	Description
	Toggle between the Daily and Special events schedules.
	An overview of the defined Special Events. Tap on a line to view or edit an event’s schedule or properties.
	Tap to edit the priority of the special events, which is by the order in which the events are listed.
	Tap to add a new special event. **NOTE:** Although you can add special events on the ECY-STAT, some features may be limited. It is recommended to use EC-*gfx*Program to manage special events to take advantage of the full detailed feature set.

Adding or Editing a Special Event

In the Special Events overview:

- Tap a special event to view its details.
- Tap + to add a new special event.

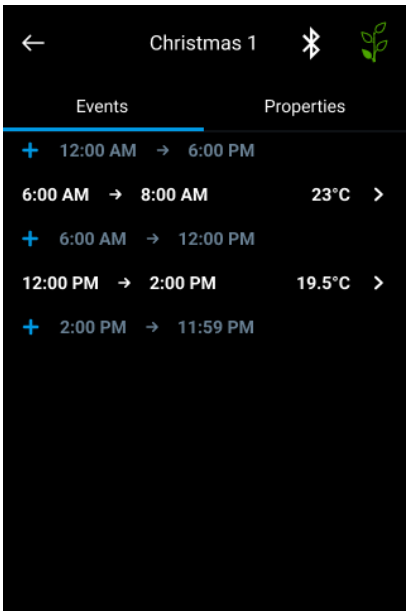


Figure 7: Special Event Details (Setpoint Schedule shown)

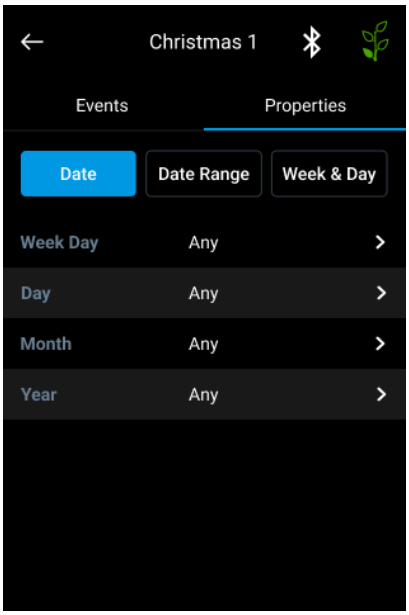


Figure 8: Special Event Properties

The name of the special event is displayed at the top of the screen, but cannot be modified on the device. To change the name, please use the EC-Schedule tool in EC-*gfx*Program or the *my* PERSONIFY mobile app.

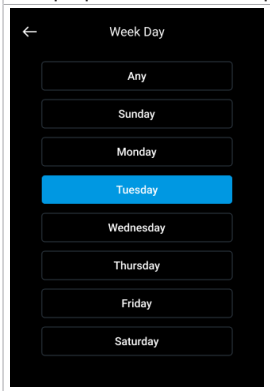
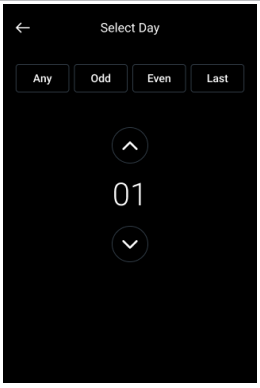
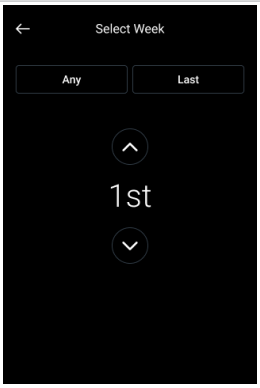
Events

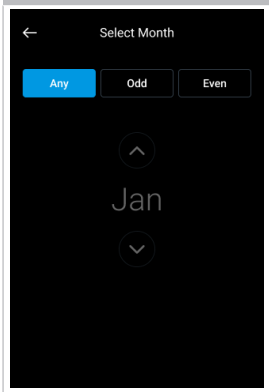
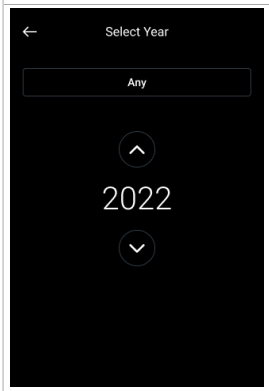
Item	Description
6:00 AM → 8:00 AM	Planned events are shown with their associated occupancy status. You can tap these events to edit them. See *Editing or Adding a Planned Event*.
+ 12:00 AM → 6:00 AM	Periods with no planned events are shown in gray. You can tap the plus icon to add events during these periods. See *Editing or Adding a Planned Event*.

Properties

- Select the special event's data type and configure the properties that indicate when the event occurs.

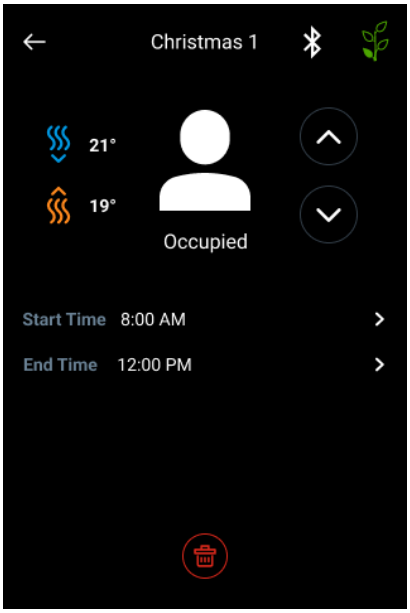
  When a Special Event's property is set to **Any**, it means that the range for this property is unlimited. A working configuration must normally have at least one property set with a value other than Any. Properties are additive, to combine to exclude the rest.

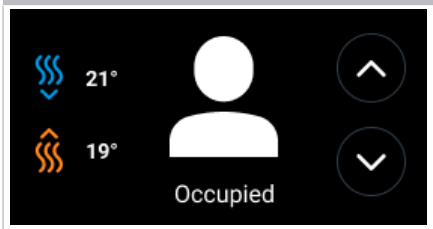
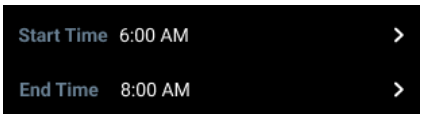
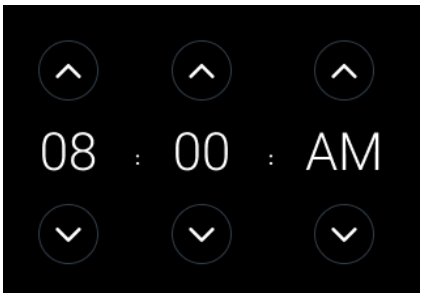
Item	Description
	• **Date**: creates an event for each individual selected day, month or year. For instance, the 5th of August of every year. • **Date Range**: creates an event for the selected range of days, months or years. For instance, from the 5th of August to the 8th of August of every year. • **Week & Day**: creates an event for each selected day of the week, week or month. For instance, the Monday of the second week of August.
The properties below will appear in different combinations based on the selected data type.	
	Specifies the day of the week on which the special event will occur. Select **Any** if the special event can occur on any day of the week.
	Specifies the calendar day(s) on which the special event will occur. Select **Any** if the special event can occur on any calendar day. Since the number of days in a month varies, select **Last** for events that will occur on the last day of the month regardless of its number. You can also select **Odd** or **Even** for events that will occur on all odd or even days in a month.
	Specifies the week(s) during which the special event will occur. Select **Any** if the special event can occur during any week. Since the number of weeks in a month varies, select **Last** for events that will occur during the last week of the month regardless of its number.

Item	Description
	Specifies the month(s) during which the special event will occur. Select **Any** if the special event can occur on any calendar day. You can also select **Odd** or **Even** for events that will occur during all odd (January, March, May, etc.) or even (February, April, June, etc.) months in a year.
	Specifies the year(s) during which the special event will occur. Select **Any** if the special event can occur during any year.

Editing or Adding a Planned Event

You can edit existing events or add new events to a special event's schedule.



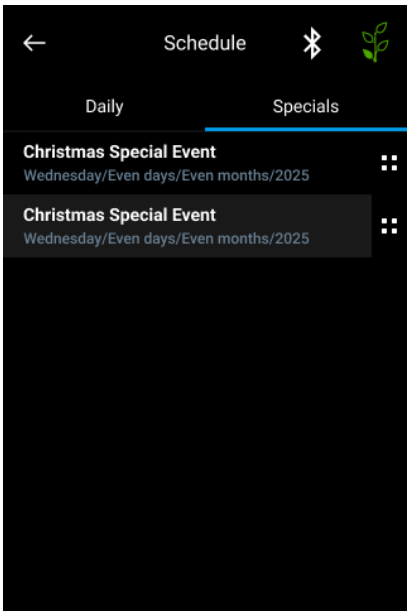
Item	Description
 	Tap the Up and Down arrows to adjust the occupancy status or temperature setpoint. **NOTE:** Depending on the chosen programming for Occupancy schedules, the one or both temperature setpoints for the heating/cooling modes may also be shown.
	Tap the arrow icon to adjust the event's Start and End times. 
	Tap to delete the event.

Editing the Special Event Priority

The effective time of Special Events can overlap. In the case of overlap, only the highest priority Special Event will be active. Special Event priority is set by the order in which they are listed.

To change the order in which Special Events are shown, tap .

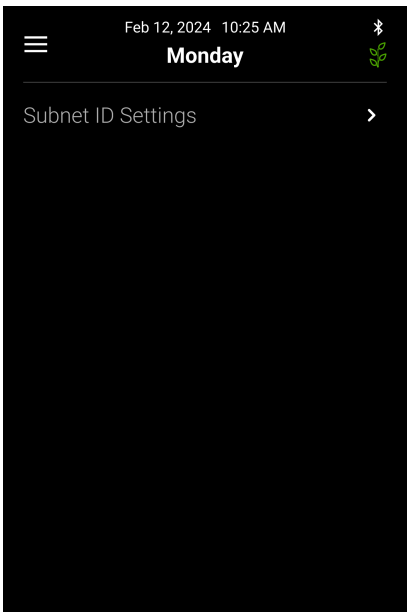
- Tap and hold the icon on the right of a Special Event and drag it to the desired position in the list.



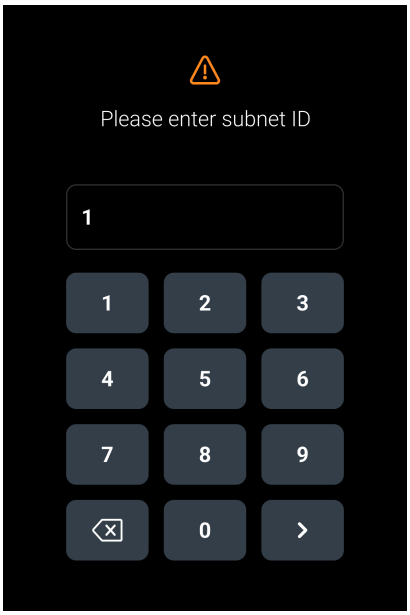
Technician Mode

Tap the Technician Mode tab to access options to change the device's Subnet ID settings.

To access the Technician Mode screen, you must enter your Eclypse controller credentials.

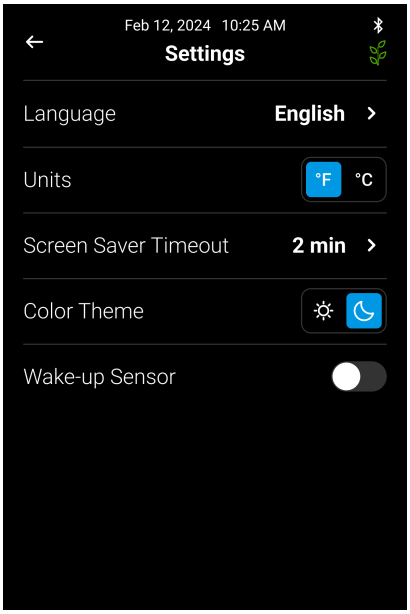


Each device on the subnet requires a unique subnet ID. If a connected device's subnet ID does not match its programmed ID, or if two or more devices have the same subnet ID, there will be a communication error. A communication error screen will be displayed and you will be prompted to enter the default password (9995) to access the subnet ID settings.



Settings

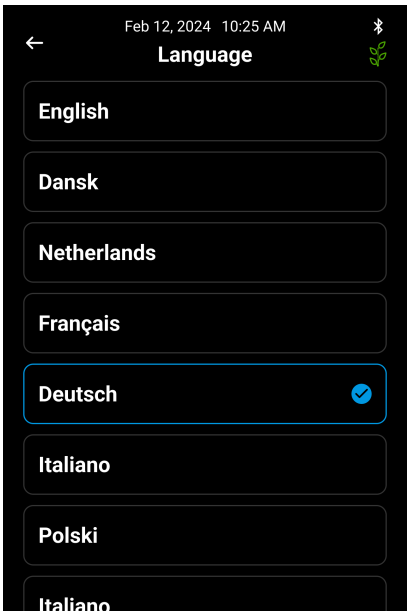
From the settings menu, you can choose the display language, the units to display, and the color theme. You can also adjust the screensaver timeout and enable the wake-up sensor.



Item	Description
Language	Tap to access the language selection screen.
Units	Toggle the display units between Celsius and Fahrenheit.
Screen saver timeout	Tap to access the Screen Saver Timeout.
Color theme	Toggle between black or white color themes.
Wake-Up Sensor	Toggles the proximity wake up sensor. The device has a proximity sensor of about 10 cm (4”) to detect hand movement which will activate the screen.

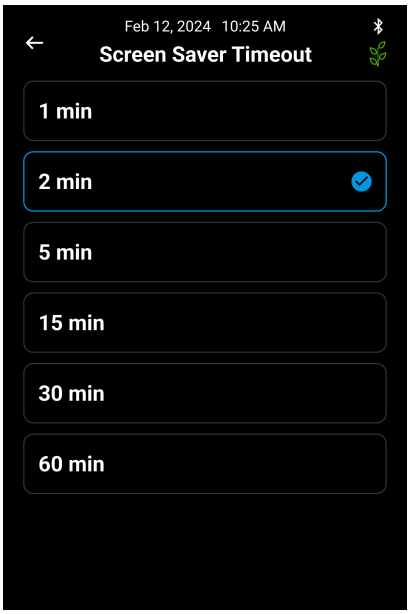
Changing the Display Language

Tap the desired language to change the display language used on the device. Languages must be added to the device’s configuration in EC-*gfx*Program.



Changing the Screen Saver Timeout Time

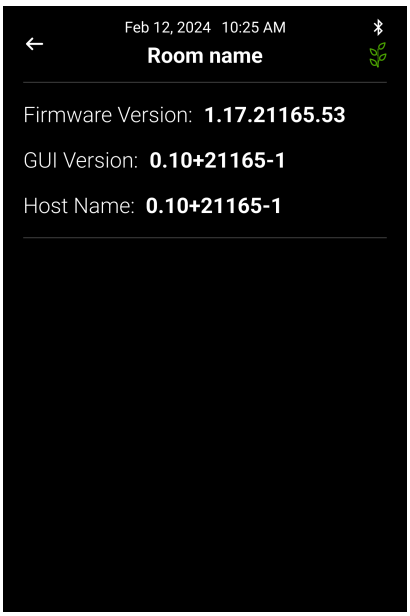
Select the amount of time before the screen times out and shuts off.



About

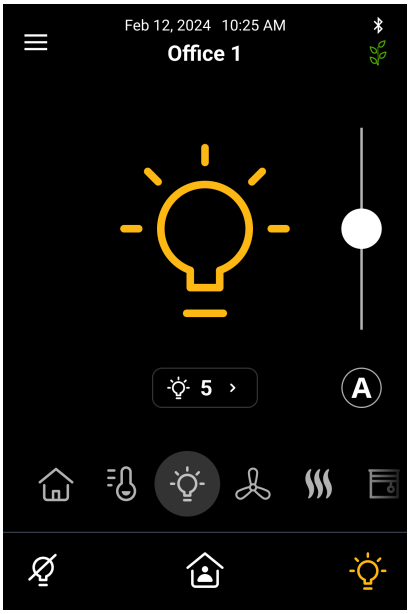
The About screen displays the current firmware and GUI versions, the controller's Hostname, Ethernet IP and MAC addresses, as well as its Wi-Fi mode, IP and MAC addresses, and SSID.

To access the About screen, you must enter your Eclypse controller credentials.



Lighting Control

The main lighting control can be configured here. The center graphic indicates the current light intensity level.

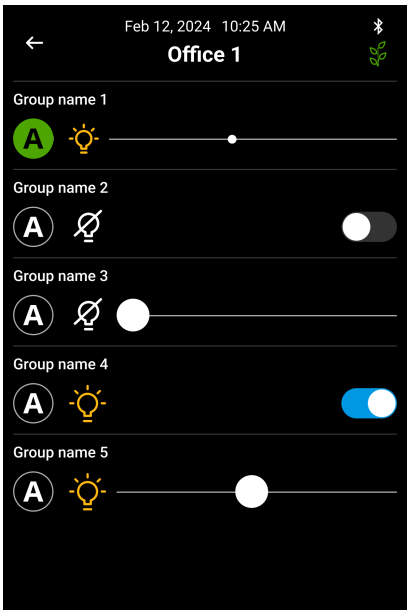


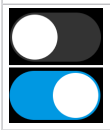
Icon	Description
	Tap and hold the slider icon to adjust the dimming level of the lights. Alternatively, you can tap a position on the slider to jump to that position. Using this will override Auto mode.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the light intensity slider, or the light bulb MIN / MAX icons. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.
	Tap the lighting groups icon to access the lighting group controls.

Lighting Groups

Up to eight lighting groups can be used. The lighting groups must first be programmed using EC-*gfx*-Program and enabled or disabled using the Eclypse Web Interface. See the Eclypse User Guide and the EC-*gfx*Program User Guide for more information.

Depending on the programmed configuration of the lighting groups, different options will be available for each group which are outlined below.

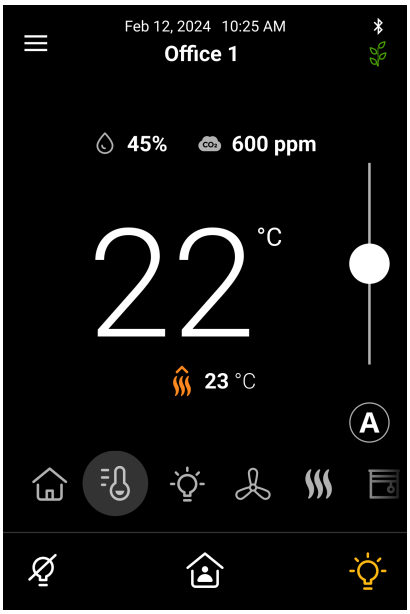


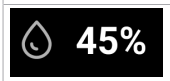
Icon	Description
	Tap and hold the slider icon to adjust the dimming level of the light group. Alternatively, you can tap a position on the slider to jump to that position.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the light intensity slider or the light bulb MIN / MAX icons. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.
MIN / MAX	Tap the light bulb icons to instantly jump to the minimum or maximum intensities that are configured for that group.
	Tap the toggle switch to toggle the lights on or off for that group. Using this will override Auto mode.

Temperature Control

The main temperature settings can be adjusted here. Ambient temperature is displayed in the middle of the screen.

Depending on the programming with EC-*gfx*Program, temperature will be displayed in either Absolute or Relative mode. Shown below is Absolute mode.



Icon	Description
	Tap and hold the slider icon to adjust the temperature setpoint. Alternatively, you can tap a position on the slider to jump to that position.
	The percent humidity is indicated here.
	The temperature setpoint and heating/cooling mode is displayed here. Depending on the chosen programming, the setpoint offset may be displayed instead.
	The ambient temperature is displayed here.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the temperature setpoint slider. The auto function parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information.

Fan Control

The main fan settings can be controlled here. The center graphic displays the current fan speed setting.

Depending on the programming with EC-*gfx*Program, Fan Control will be displayed in On/Off, Level, or Analog mode.

On/Off Fan Control

Figure 9: Fan Control (On/Off mode)

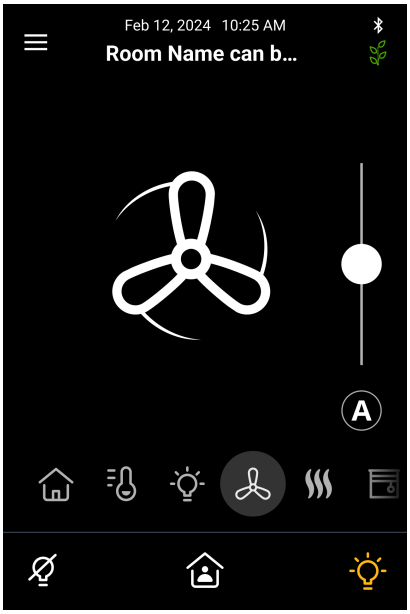
Icon	Description
	Tap to turn fans ON or OFF.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, turn the fan ON or OFF. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.

Level Fan Control

Figure 10: Fan Control (Level mode)

Icon	Description
	Tap the desired level to adjust the fan speed.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, tap the desired fan speed level. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.

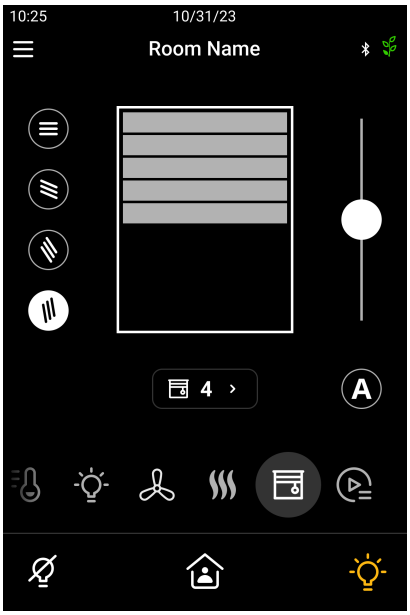
Analog Fan Control



Icon	Description
	Tap and hold the slider icon to adjust the fan speed. Alternatively, you can tap a position on the slider to jump to that position.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the fan speed slider. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.

Sunblind Control

The main controls for sunblinds can be found here. The center graphic displays the current sunblind vertical position.

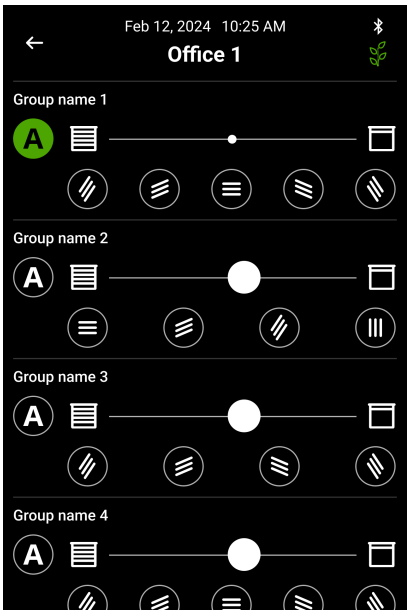


Icon	Description
	Tap to select the desired sunblind rotational angle between 0 and 180 degrees. Availability of some rotational angles may be limited to the programmed settings.
	Tap and hold the slider icon to adjust the position of the sunblinds. Alternatively, you can tap a position on the slider to jump to that position.
Auto ON / OFF	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the sunblind slider or the rotational angle. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.
	Tap the sunblind groups icon to access the sunblind group controls.

Sunblind Groups

Up to eight sunblind groups can be used. The sunblind groups must first be programmed using EC-*gfx*Program and enabled or disabled using the Eclypse Web Interface. See the Eclypse User Guide and the EC-*gfx*Program User Guide for more information.

Depending on the programmed configuration of the sunblind groups, different options will be available for each group which are outlined below.

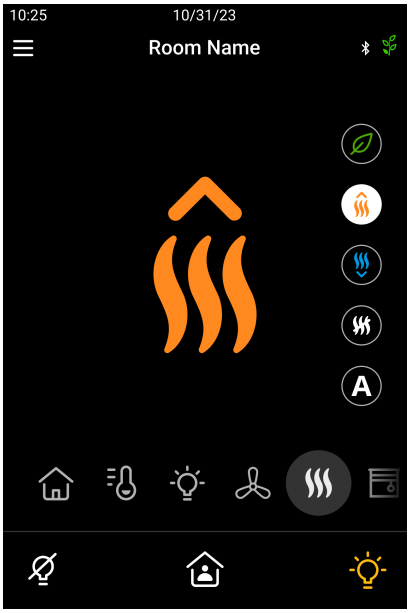


Icon	Description
Auto OFF / ON	The Auto icon toggles automatic mode ON. To turn Auto mode OFF, adjust the sunblind slider or the rotational angle. The auto function parameters are configured using EC-*gfx*Program. See the EC-*gfx*Program User Guide for more information.
CLOSED / OPEN	Tap the sunblind icons to instantly jump to the fully closed or fully open levels that are configured for that group.
	Tap and hold the slider icon to adjust the position of the sunblinds. Alternatively, you can tap a position on the slider to jump to that position.
	Tap to select the desired sunblind rotational angle between 0 and 180 degrees.

HVAC Mode

NOTE: This feature is only available on Allure Unitouch devices running the generation 2 firmware.

The main HVAC controls can be found here. The center graphic displays the current HVAC mode setting.

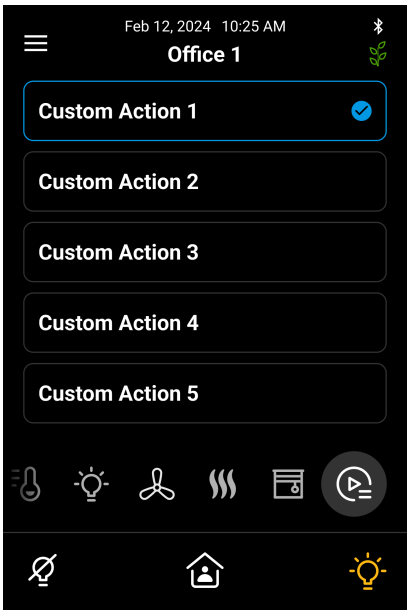


Icon	Description
	The Eco icon toggles Eco mode ON. To turn Eco mode OFF, toggle another HVAC mode ON. The HVAC mode parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information. **NOTE:** The Eco mode is an optional parameter. Depending on the chosen programming, it may not be available on the ECY-STAT.
	The Heat icon toggles Heating mode ON. To turn Heating mode OFF, toggle another HVAC mode ON. The HVAC mode parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information.
	The Cool icon toggles Cooling mode ON. To turn Cooling mode OFF, toggle another HVAC mode ON. The HVAC mode parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information.
	The power button icon turns the HVAC mode OFF. To turn the HVAC mode ON, toggle another HVAC mode ON. The HVAC mode parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information.
	The A icon turns Auto mode ON. To turn Auto mode OFF, toggle another HVAC mode ON. The HVAC mode parameters are configured using EC-*gfx*Program. See the EC-gfxProgram User Guide for more information.

Custom Actions

Custom actions must first be programmed using EC-*gfx*Program and enabled or disabled using the Eclypse Web Interface. See the Eclypse User Guide and the EC-*gfx*Program User Guide for more information.

Depending on the programmed configuration of the custom actions, different options will be available for each action. To enable a custom action, simply tap the desired action. Depending on the type of custom action and its configuration in EC-*gfx*Program, a blue checkmark may appear and indicate whether a custom action is currently enabled or not.



DISTECH CONTROLS™