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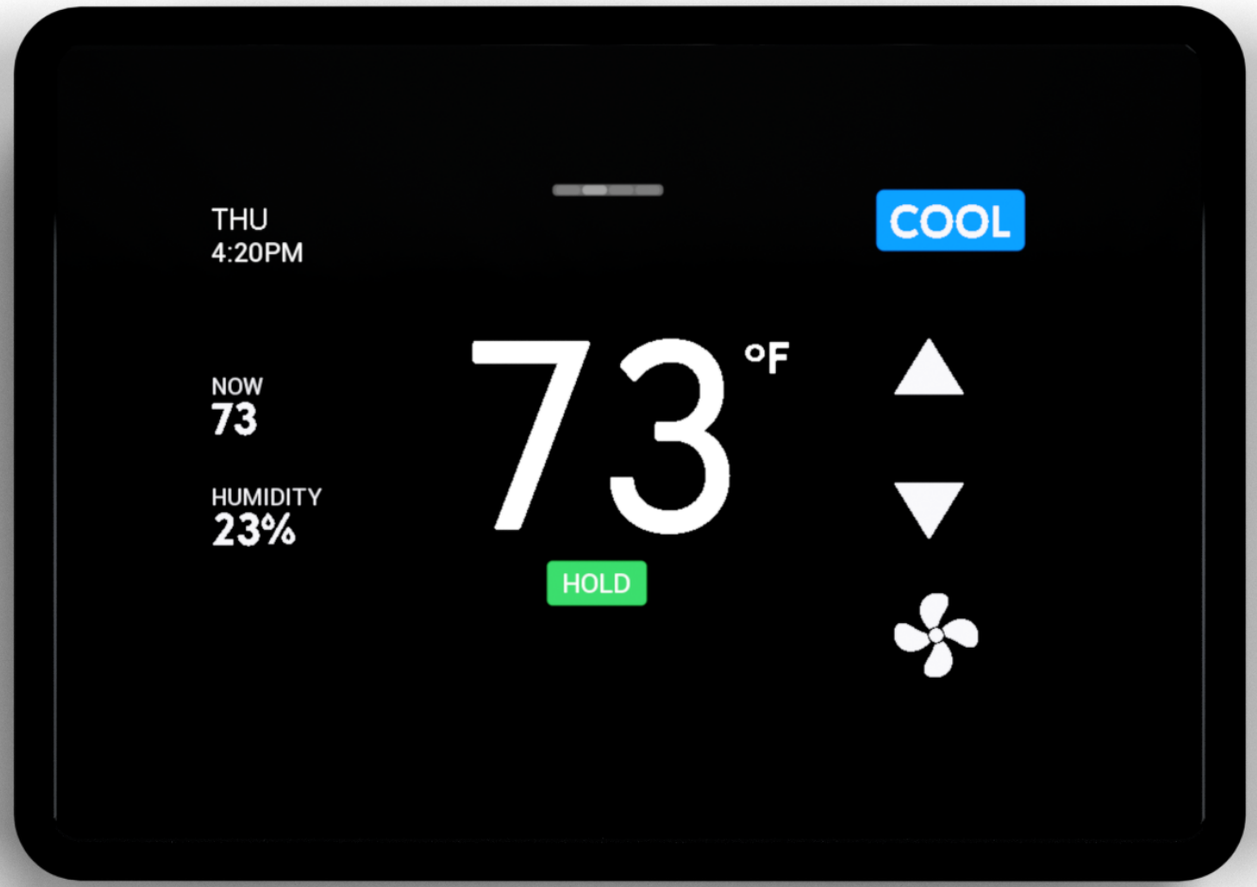
A2132FAC User Guide

WARNING: DO NOT connect this thermostat to systems other than Friedrich approved VRP units. DO NOT connect this device to units such as: base-board heaters, line/high-voltage fan-coil, or systems with transformers. Improper use of this device can result in personal injury, and/or property damage.



Introduction: The A2132_FAC thermostat is a VRP system powered (12VDC) wireless thermostat designed for Friedrich VRP heating ventilation and air-conditioning systems. The ZigBee wireless-controller allows the device to operate as a long-range ZigBee message repeating router.

Using the device: Using the device and operating the on-screen menus is straight forward with the built-in smart touch display.

Adjusting the Set-point: Tap the up or down arrow to adjust the set-point for the current mode.

Air Circulation Fan: Tap the fan icon to switch between auto and always-on fan.

NOTE: It is unadvisable to set the fan to ON in cool code. Continuous running of the fan prevents the air-conditioner from being able to remove moisture from the air and could potentially lead to other health hazards such as mold.

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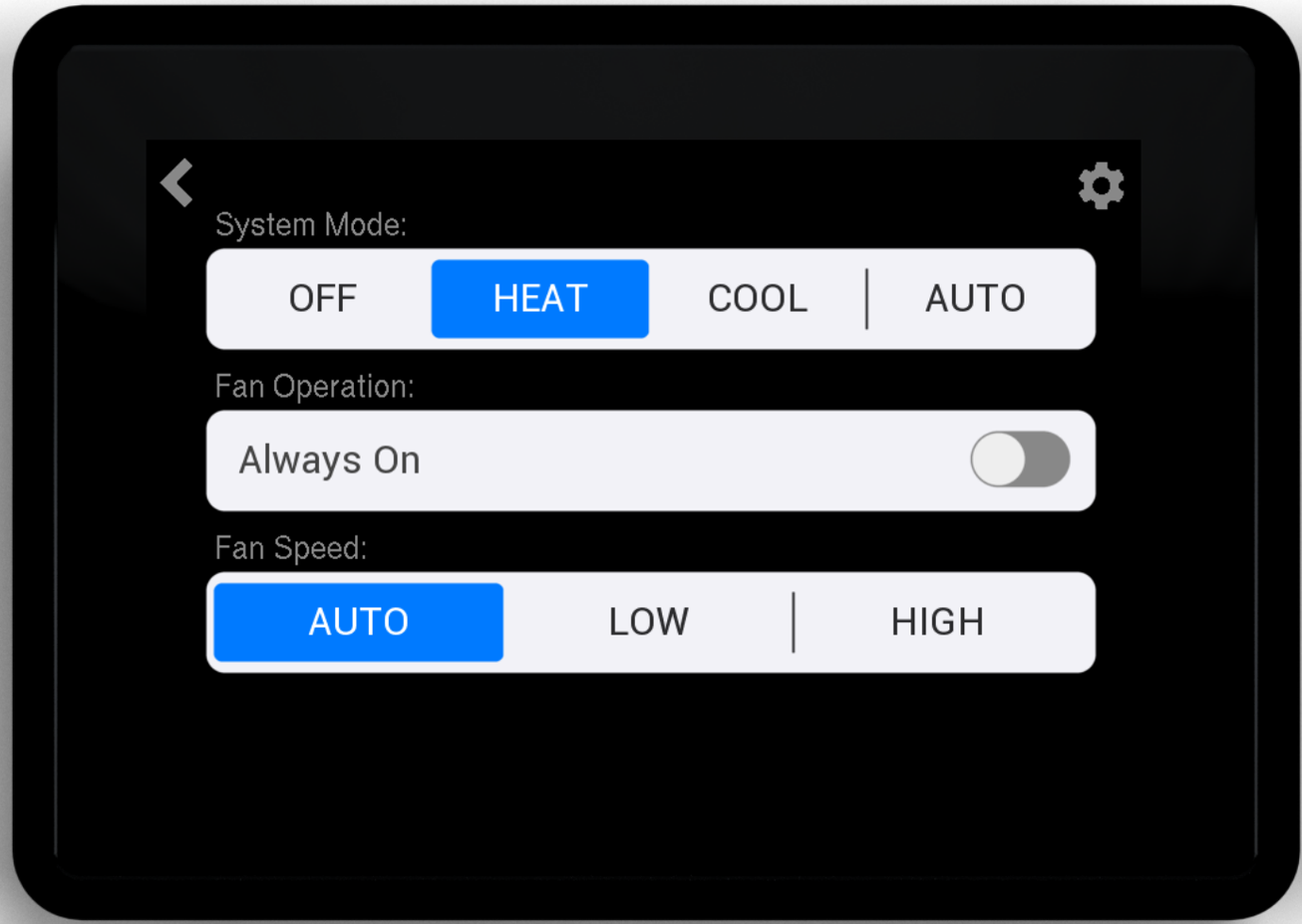
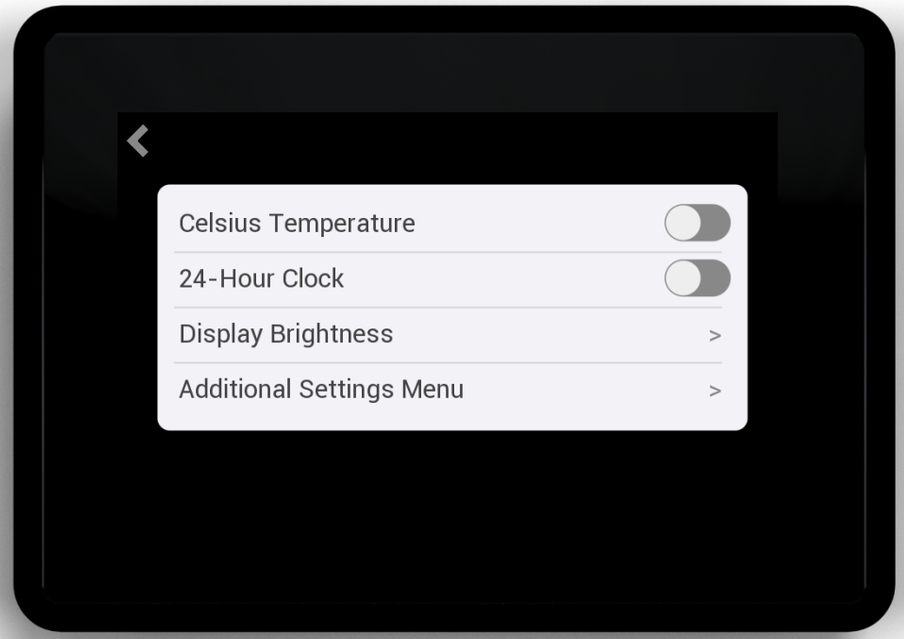
Main Menu: To access the main menu, tap the mode (HEAT, COOL, or OFF) on the top right corner of the screen. The main menu allows for quick access to changing modes, fan operation, and other settings if enabled by the system operator.

Turing on the Always-On switch will put the system fan into continuous mode. When the switch is in the OFF position, the fan will run automatically based on the system activity.



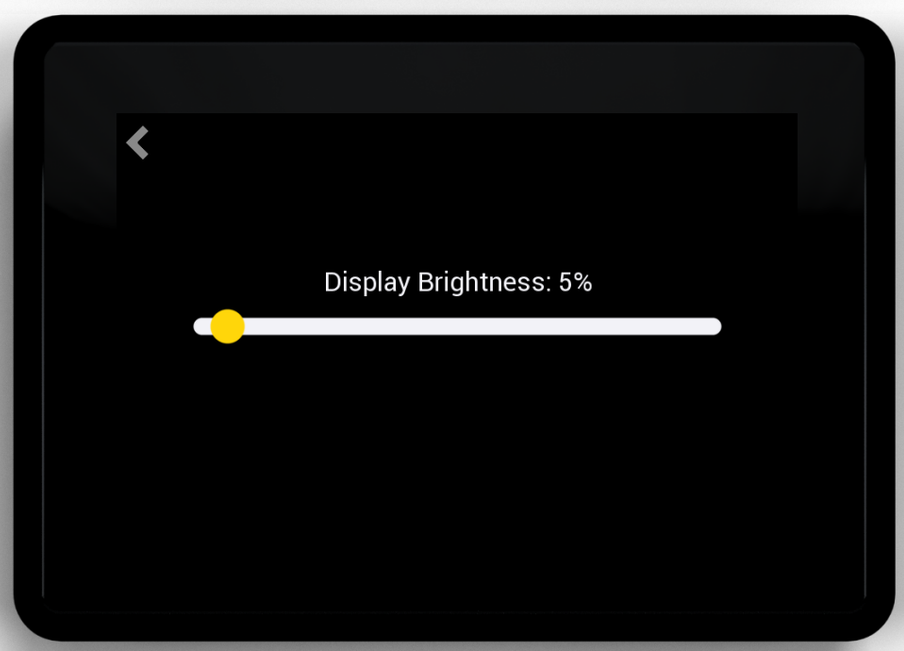
Settings Menu: To access this menu, tap settings(gear icon) in the main menu.

This menu allows for changing of the temperature unit, time format, display brightness, and access to the schedule hold menu.



Display Brightness: It is possible to turn off the display backlight altogether. The device will turn the display on when the screen is tapped and turn off after a few seconds.

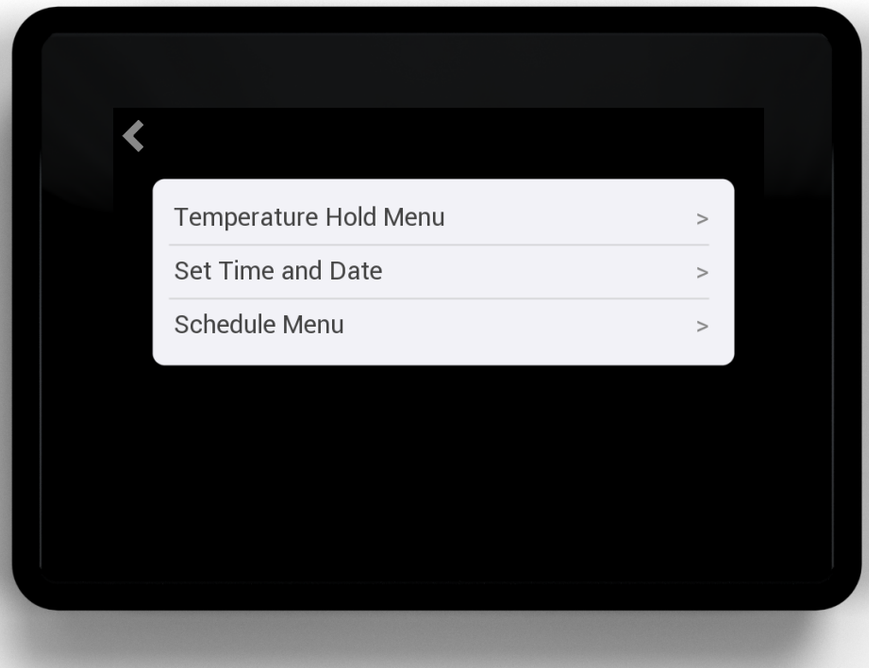
It is recommended to use the lower display brightness settings for best performance, longevity and power savings.

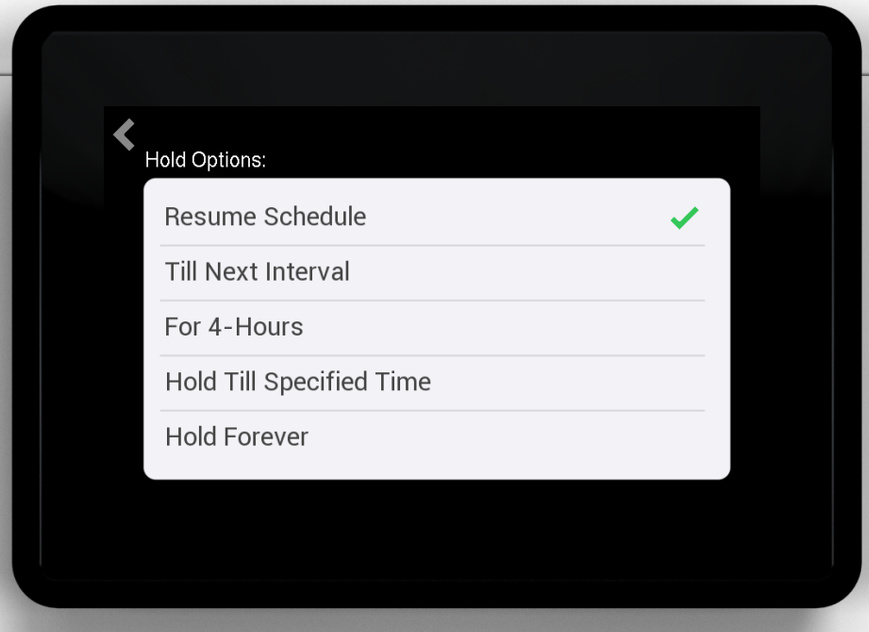


Hold Menu: Access this menu via Main Menu -> Settings -> Temperature Hold Menu. This menu allows for modifying the operator of the schedule. Programming the schedule can be performed throughout the schedule menu, or Over-The-Air via Mobile or Web interface provided by the building operator.

A “HOLD” indicator will appear on the main screen. Tapping this area of the screen allows for a short-cut to the hold-menu.

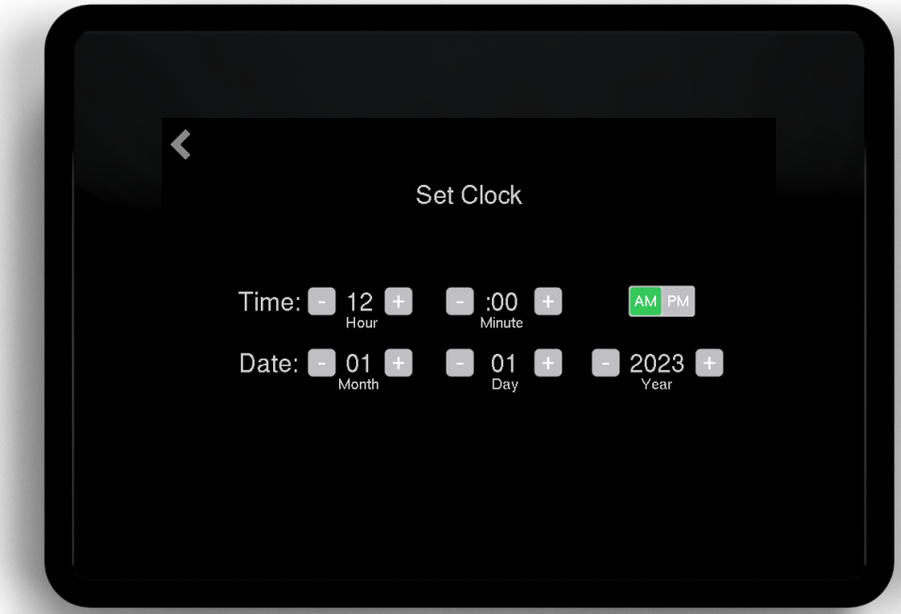
Both Hold and Schedule operation require a the clock to be set.





Clock Screen: Before a schedule can be active, the time and date can be set through the clock screen. Adjust the time and date components using the +/- buttons and tap the back arrow at the top left to record the time and date.

If the date-time is not set after a power cycle, the device will use the 12:00AM Jan 1, 2023 as the time and date after about 15 minutes of up time.



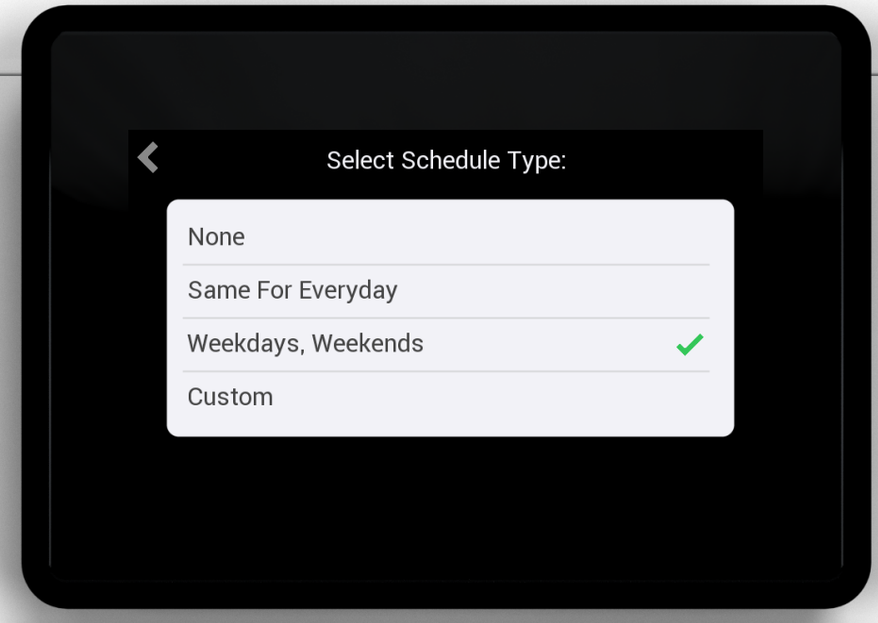
Schedule Type Menu: This menu allows for creation and deletion of the stored schedule. Tapping None will clear the schedule from stored memory.

There are three (3) types of schedules. Each have four (4) intervals per day (wake, leave, return, sleep).

Everyday Schedule: This schedule type allows for the same set of intervals to be repeated every day of the week.

Weekdays, Weekends: This schedule type uses one set of intervals for weekdays and another set for weekends.

Custom schedule: This schedule type allows for a different set of intervals to be executed every day of the week. Each day needs to be configured separately in the schedule menu.



Schedule Screen: This screen allows for creation and editing of the stored schedule intervals. Tapping a different day or different interval name will save the current interval.

1) Adjust the start time of the interval using the +/- and AM/PM (12 HR clock) buttons.

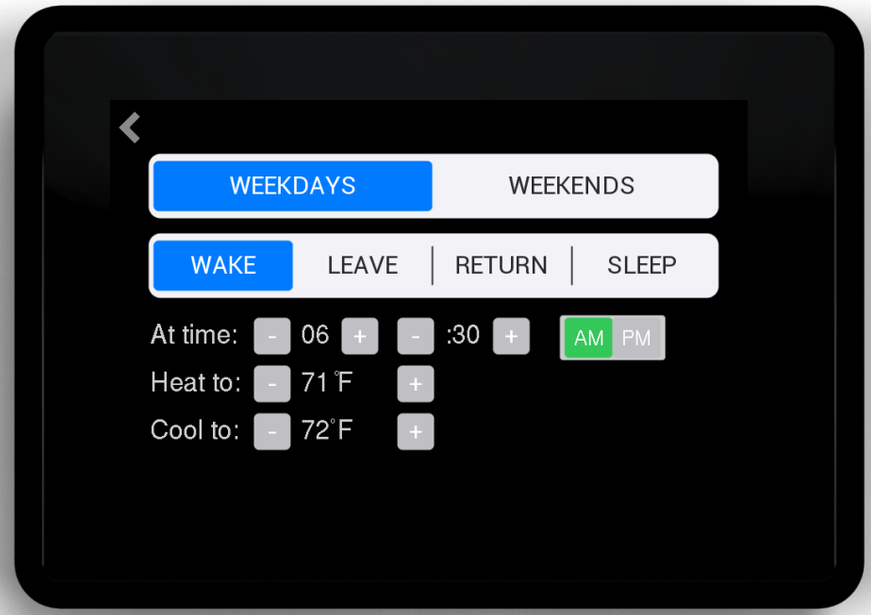
2) Adjust the desired set point for heat and cool mode using the +/- buttons.

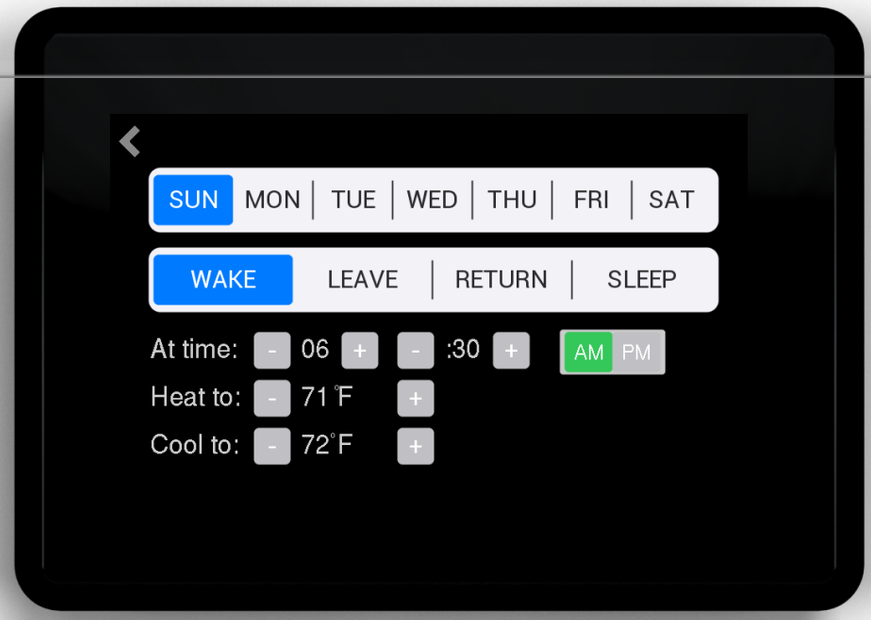
Notes:

The start time of each interval needs to be after the start time of the previous interval. The user interface will enforce this guard and will keep the intervals in sequence.

When the schedule is active and running, a four-segment indicator will display in the top-middle of the main screen (see image on page 1). The hi-lighted segment indicates the active interval.

When the temperature is adjusted or a hold imposed, the green HOLD indicator will present on the main screen. Tapping this area will shortcut to the hold menu.



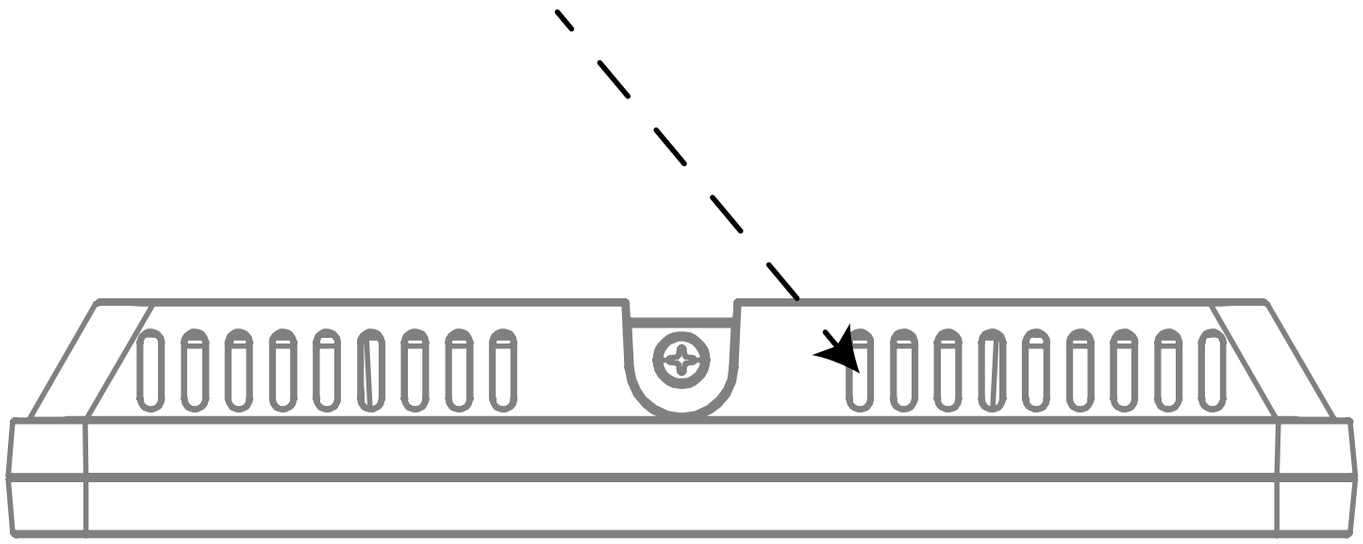


Factory Reset: A reset switch is hidden behind the first grill on the top right (see image below). Use a non-metal tool to contact and press the reset switch.

Single Press: A single press of the switch will reboot the device without changes to the stored information.

Long Press (Factory Reset): Holding the switch down for more than Five Seconds will put the device in factory reset. A visual indication is shown on the screen.

Note: Factory resets do not erase network information and the device will remain on the network until a leave operation is performed (via the network menu or over the air).



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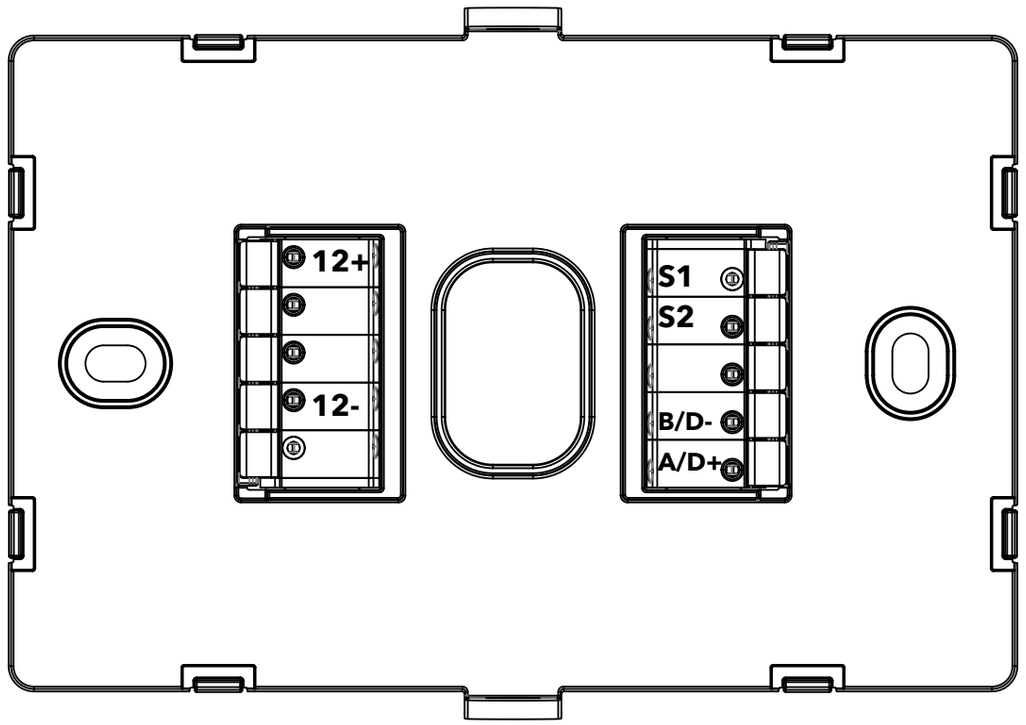
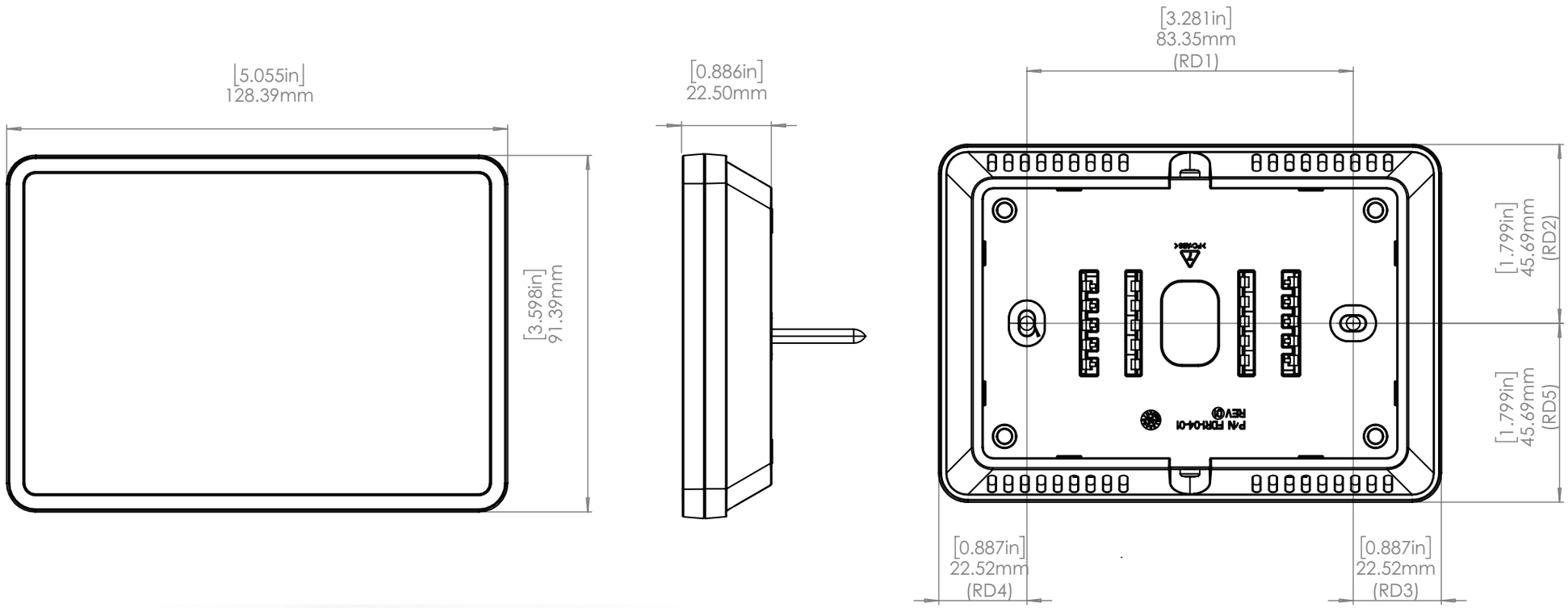
Wiring information

Use 18AWG shield twisted wiring or other Friedrich approved wire.





Fidure Corp.

www.fidure.com

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