



PLATINUM SERIES™
CONTROL PANEL
OEM INSTALLATION MANUAL

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Introduction

The OneControl® Platinum Series™ Control Panel (the “Panel”) combines the flexibility of a reconfigurable 3.5” touch screen with the convenience of easily accessible hardware buttons to allow your customers to operate OneControl devices installed on their RVs.

This manual covers the installation and configuration of the Panel. RV devices and capabilities may differ from the images in this manual based on the RV’s floorplan.

The Panel may be paired with X270 or X4 Control Boards.

Additional information about this product can be obtained from lci1.com/support or by downloading the free LippertNOW app. The app is available on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

Apple App Store®, iPhone®, and iPad® are registered trademarks of Apple Inc.

Google Play™ and Android™ are trademarks of Google Inc.

For information on the assembly or individual components of this product, please visit:

<https://support.lci1.com/onecontrol-wireless-formerly-myrv>.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

WARNING

The “WARNING” symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

CAUTION

The “CAUTION” symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- Fastening hardware for board and monitor panel
- Smart device with Bluetooth capability
- The LCI OneControl app installed - <https://store.lci1.com/onecontrol>

Platinum Series Panel Options

There are multiple versions of the Platinum Series Panel (Fig. 1) (the “Panel”) that can be installed and connected to a OneControl® Unity Board™ (the “Board”). Panel functions and controls are specific to the OEM unit model and floor plan, as well as to OneControl devices added from the Lippert Store (<https://store.lci1.com/onecontrol>).

Fig. 1



Board Installation

1. Install board in a watertight location.
2. Connect 12V power and ground to the board.

Compatible Boards

The Panel may be paired with one of two Boards:

- X270/270D
- X4

X270D Key

- A. CAN bus data harness connections (Fig. 2A) that link each module in the OneControl system together. A terminating resistor (Fig. 3) must be placed in the Panel if no other modules are used.
- B. Lockout (Fig. 2B): Provides in-transit lockout of moving features. Towable input from brake light/ turn signal wire.
- C. Configurable Inputs: The X270D has 16 configurable inputs (Fig. 2C). These inputs are configured to be used with manual switches for both reversing and latching outputs. Any one of the inputs can also be configured as a DSI fault input if needed for a gas water heater.
- D. Additional latching outputs (Fig. 2E): Connections are available for controlling electric and/or gas water heaters, and an input for DSI fault circuitry and an optional chassis battery input.
- E. Low Current (LC) and High Current (HC) Reversing Outputs (Fig. 2F): Connections are available for low current (15A) and high current (30A) reversing outputs. High Current (HC) Latching Outputs: Connections are available for three high current (30A maximum) latching outputs.
- F. Low Current (LC) Latching Outputs (Fig. 2D): Connections are available for eight low current latching and dimming outputs. Output 1-4 can control dimming or latching outputs, outputs 5-8 support latching function only. Output 1 has a maximum fuse rating of 10A, outputs 2-8 have a maximum fuse rating of 5A.

Fig. 2

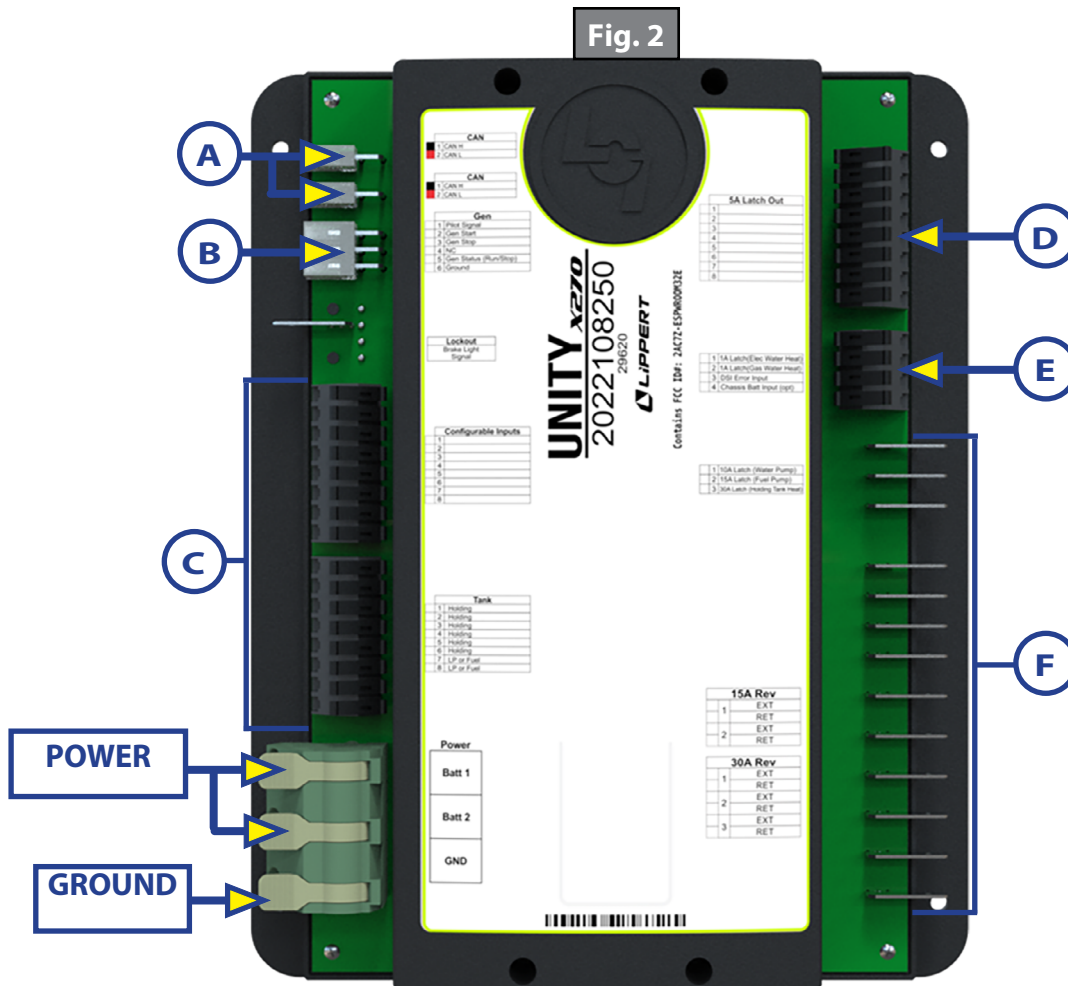
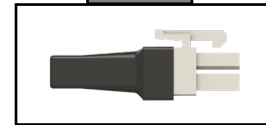


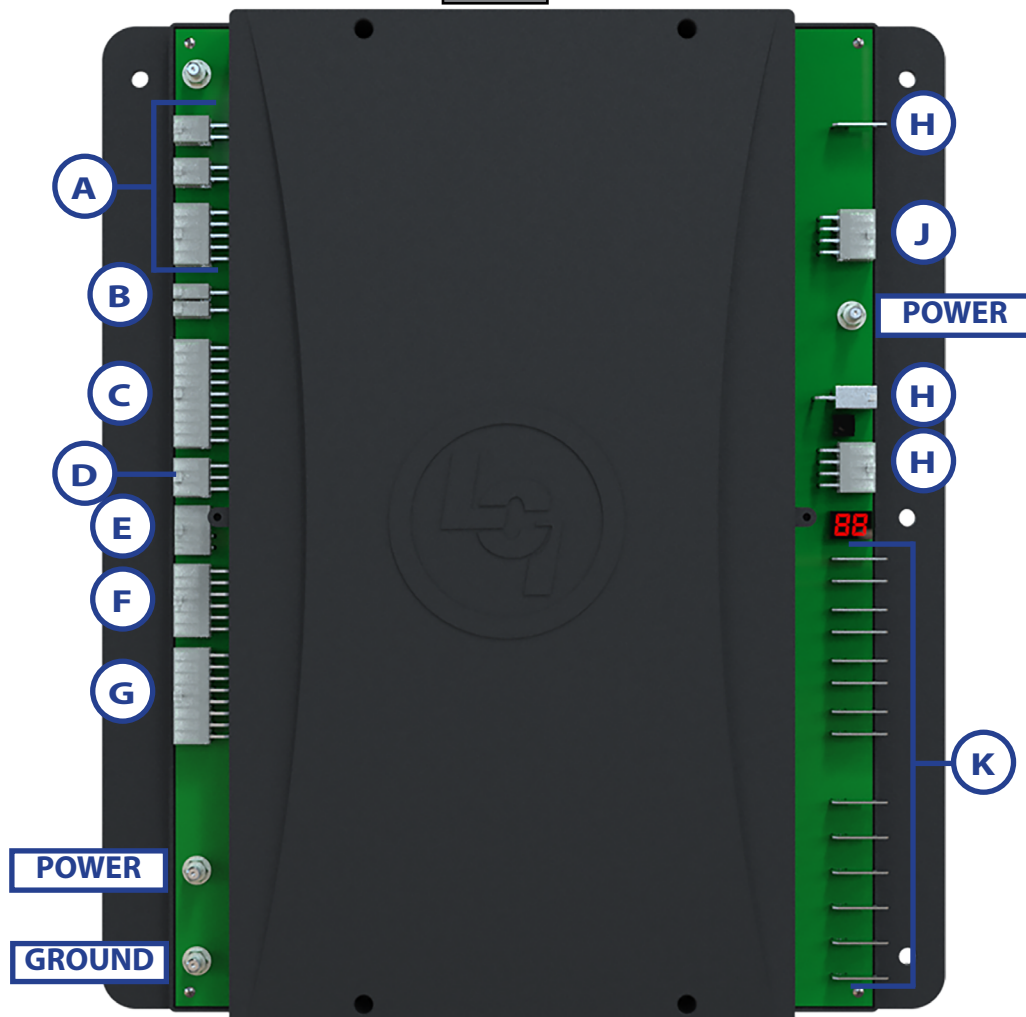
Fig. 3



X4 Key:

1. RGB and Dimmable outputs (Fig. 4A): The X4 module has two RGB lighting outputs and 8 Dimmable lighting inputs.
2. CAN bus data harness connections (Fig. 4B) that link each module in the OneControl system together. Whenever one or more modules are connected via CAN, terminating resistors must be used on the unused 2-pin CAN connectors.
3. HVAC Input (Fig. 4C): An 18-pin HVAC connector includes a combination of analog inputs and outputs and is capable of supporting up to 3 zones.
4. Generator Input (Fig. 4D): 6-pin generator connector is a combination of inputs and outputs.
5. Lockout (Fig. 4E): Provides in-transit lockout of moving features. Towable input from brake light/ turn signal wire.
6. Tank Inputs (Fig. 4F): The X4 has configurable tank inputs. These inputs are used to read tank sensor levels. Tank inputs 1-7 are for standard holding tanks; 8-10 are reserved for reading LP or fuel tanks only. Inputs 11 and 12 are reserved for gas water heater DSI fault input and chassis power respectively.
7. Configurable Inputs (Fig. 4G): The X4 has 16 configurable inputs. These inputs are configured to be used with manual switches for both reversing and latching outputs.
8. Latching Outputs (Fig. 4H): Connections are available for eight low current (15A max) latching outputs.
9. Configurable High Current (HC) latching outputs (Fig. 4H) are also available for water pump, tank heaters, fuel pump, etc).
10. Dimmable Outputs (Fig. 4J): Connections are available for 8x dimmable outputs for dimming compatible lights.
11. Low Current (LC) and High Current (HC) reversing outputs (Fig. 4K): Connections are available for four low current (15A max) reversing outputs and three high current (30A max) reversing outputs.

Fig. 4

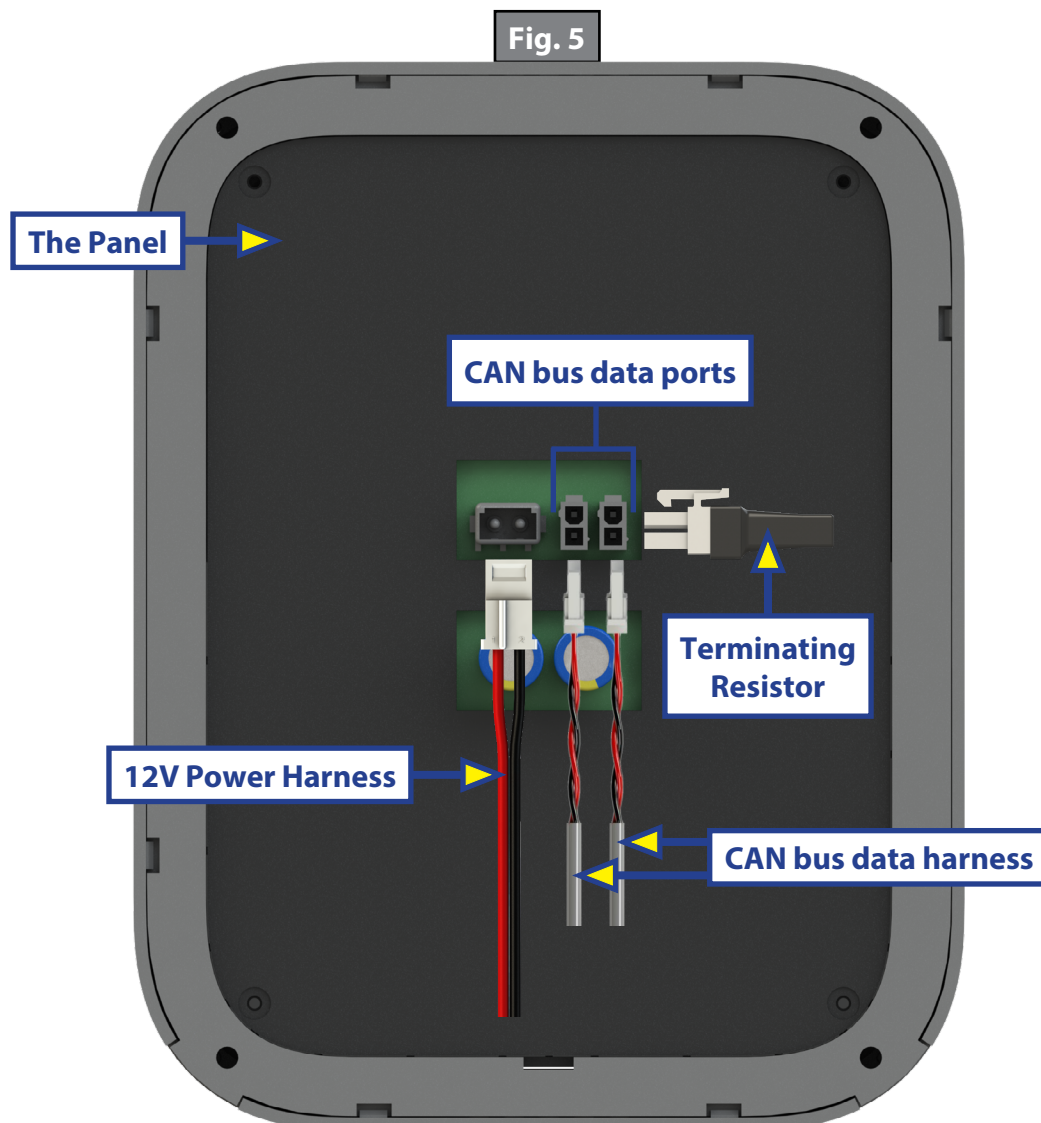


Panel Installation

1. Determine mounting location for the Panel. A round penetration 1 1/2" in diameter will be required for wiring connections.
2. Using a hole saw, cut a penetration measuring 1 1/2" in diameter.
3. Route CAN bus and power harnesses through the penetration and plug into the back of the Panel (Fig. 5).
NOTE: Both CAN bus data ports must be filled by either two CAN bus data harnesses or one harness and a terminating resistor to complete the system so that the connected devices can be recognized by the Panel (Fig. 5).
4. Connect the red wire of the power harness (Fig. 5) to +12V power and the black wire of the power harness to -12V ground. Fuse appropriately per RVIA standards.
5. Route CAN bus data harness to the board.

Panel Configuration

1. Plug the CAN bus data harness, (Fig. 5) from the board into either of the CAN bus data ports, (Fig. 5) on the back of the panel.
2. Plug in a terminating resistor into the other CAN bus port (Fig. 5) if another CAN bus data harness is not being used.
3. Apply power.
 - A. Connect the 12V Power Harness, (Fig. 5) to the system's 12V DC power source.
 - B. Plug the 12v Power Harness into the Panel, (Fig. 5).



Operation

Panel

- Panel will normally be in Sleep Mode with no buttons illuminated and the screen OFF.
- After applying power to the unit, the Panel will wake up and display Welcome Screen.

NOTE: There is no dedicated ON/OFF switch for the Panel.

- To test devices and systems, press the OEM MODE button.

Fig. 6

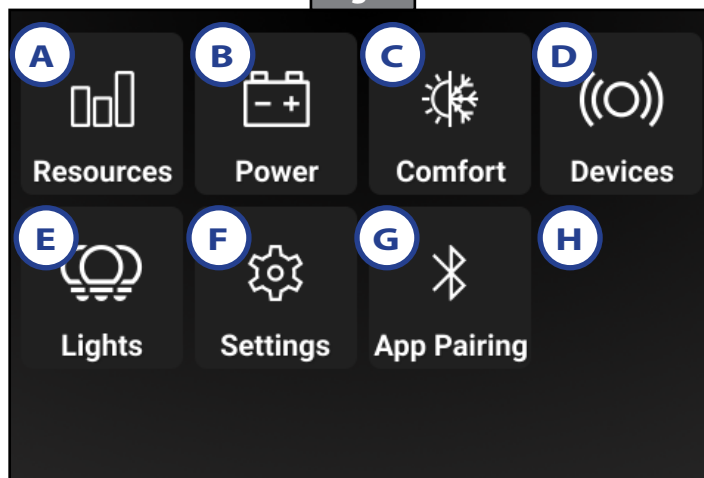


Device and System Testing

OEM MODE opens the HOME SCREEN, (Fig. 7).

The HOME SCREEN provides access to all devices and systems on the unit.

Fig. 7



HOME SCREEN Content

Depending on the RV's floorplan, the Panel's HOME SCREEN enables access to up to eight Centers: (Fig. 7):

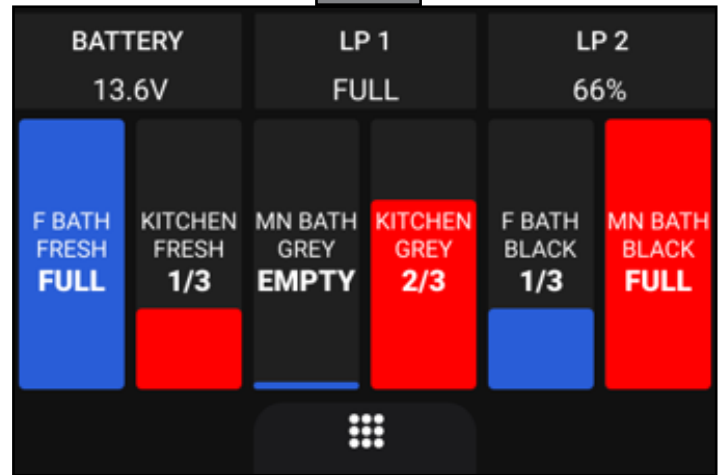
- A. Resources:** Battery Voltage, onboard fuel tank levels and water/holding tank levels.
- B. Power:** Battery Monitor details (if equipped)
- C. Comfort:** HVAC zone controls (if the Panel is providing Thermostat functions)
- D. Devices:** OEM-installed devices like Wind Sensors (if equipped) and end-user installed devices.
- E. Lights:** Controls for all lights, including those without hardware buttons.
- F. Settings:** Allows users to set preferences.
- G. App Pairing:** Access to app pairing process and support.

Centers are available on the HOME SCREEN, (Fig. 7).

Resource Center

- The Resource Center shows Power, Fuel and Water status. For most floorplans, the Header will show battery voltage read by the OneControl system.

Fig. 8



Water Status

The Water Center may show as many as six tanks. They appear as “widgets” running left to right across the screen. Each widget includes the type of tank (Fresh, Grey or Black) and the level. If more than one of each tank type is available, they will be differentiated by a number.

Color

Color is used to communicate status.

- Blue: Fluid level HAS NOT exceeded an alert threshold.
- Red: Fluid level HAS exceeded an alert threshold.

Sensor types

Depending on the floorplan, the RV may be equipped with one of two water sensors:

- Standard Low Resolution (Lo-Res) sensors, (Fig. 9).
 - Levels will be shown in four levels: Empty, 1/3, 2/3 and Full.
- OneControl High Resolution (Hi-Res) sensors, (Fig. 10).
 - Tank levels will be shown as percentages from 1% to 99%.
 - 0% will display as “Empty”
 - 100% will be displayed as “Full.”

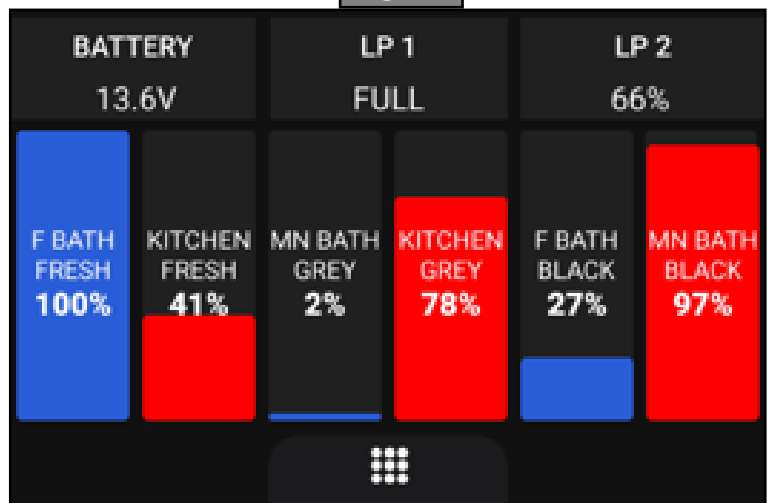
Thresholds

Tapping on the widget opens the tank’s home page. By default, Lo-Res tank thresholds are set at 1/3 for Fresh and 2/3 for Grey and Black. Hi-Res sensors are set to 25% for Fresh and 75% for Grey and Black. Thresholds may be changed.

Fig. 9



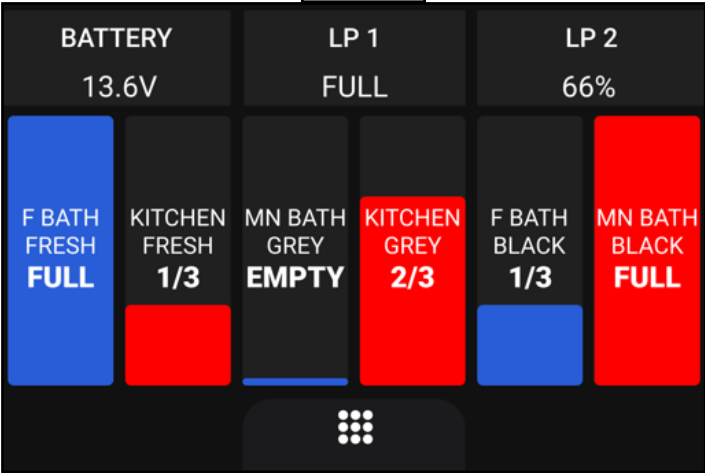
Fig. 10



Power - Battery Monitor

When equipped with a OneControl Battery Monitor, the Resource Center will display charging status, State-of-Charge (SoC), Voltage, Usage (Amperage) and Time Remaining. NOTE: SoC and Time Remaining will only appear in the header after the Battery Monitor has been configured by the customer in the App.

Fig. 11



Power and Fuel

When onboard fuel tanks are detected by the OneControl System, they shall display as widgets in the Resource Center header, scaling horizontally to fit the space. The leftmost widget shows SoC (when a OneControl Battery Monitor is detected) or Voltage. (Fig. 12)

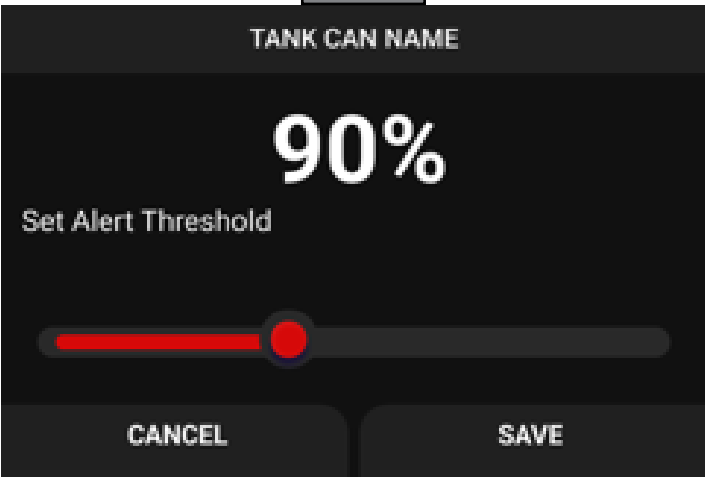
Fig. 12



Fig. 13



Fig. 14



Comfort Center

1. The Comfort Center will appear when the Panel includes a thermostat for the RV's HVAC system.
2. The Comfort Center provides access for up to three HVAC Zones. Access to each Zone is provided in widgets along the top of the screen. Tapping on a widget opens the Zone's Fan and Mode controls.
3. If the RV is equipped with an external thermistor, outside temperature will display in the lower right corner.

Status

Most systems will display five system status messages:

- **System OFF:** Occurs when MODE is OFF and FAN is AUTO, (Fig. 15).
- **Heating:** Occurs when MODE is HEAT or AUTO and FAN is HIGH, LOW or AUTO, (Fig. 16).
- **Cooling:** Occurs when MODE is COOL or AUTO and FAN is HIGH, LOW or AUTO, (Figs. 17 & 18).
- **Circulating:** Occurs when MODE is OFF and FAN is HIGH or LOW, (Fig. 19).
- **Idle:** Occurs when HEAT, COOL or AUTO is selected but cabin temperature has not exceeded a high or low temperature threshold, (Fig. 20).

Fig. 15

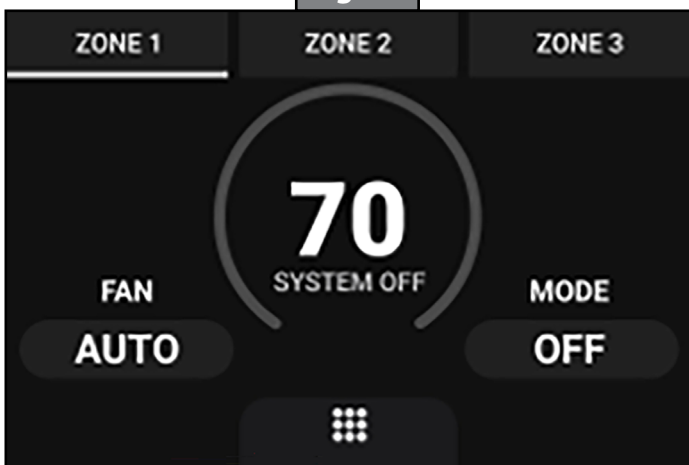


Fig. 16

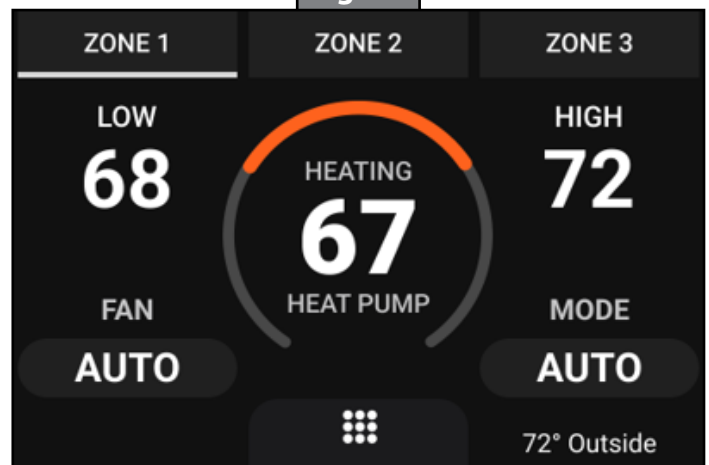


Fig. 17

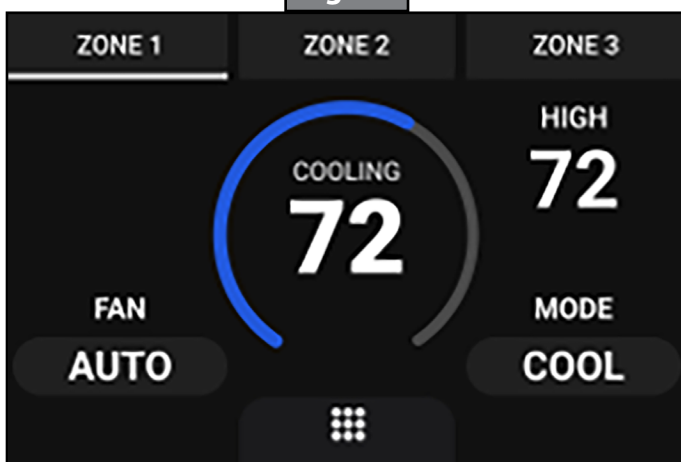


Fig. 18

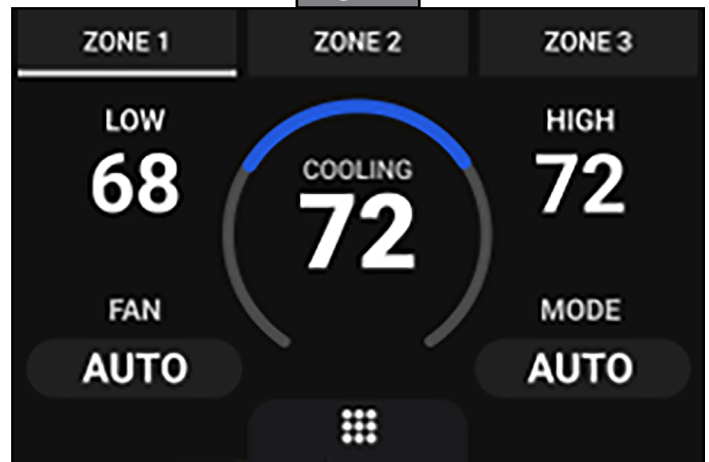


Fig. 19

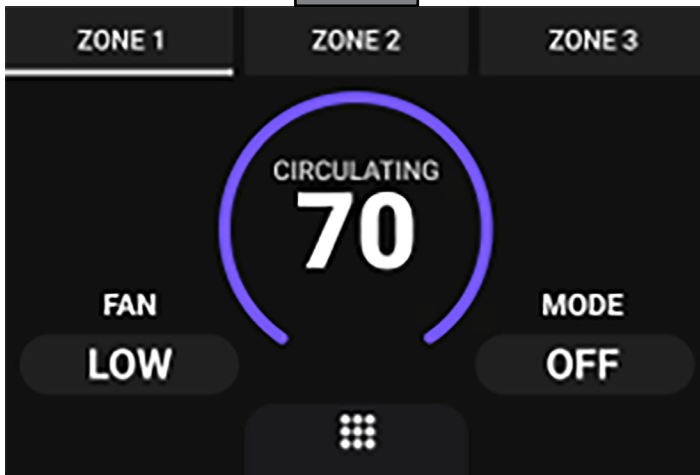
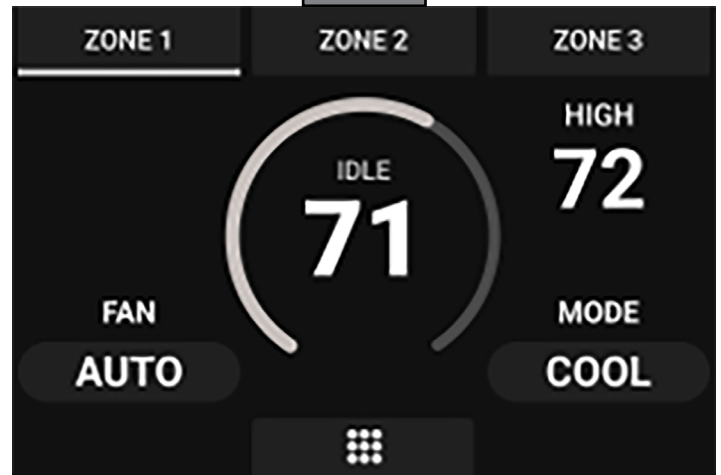


Fig. 20



Device Center

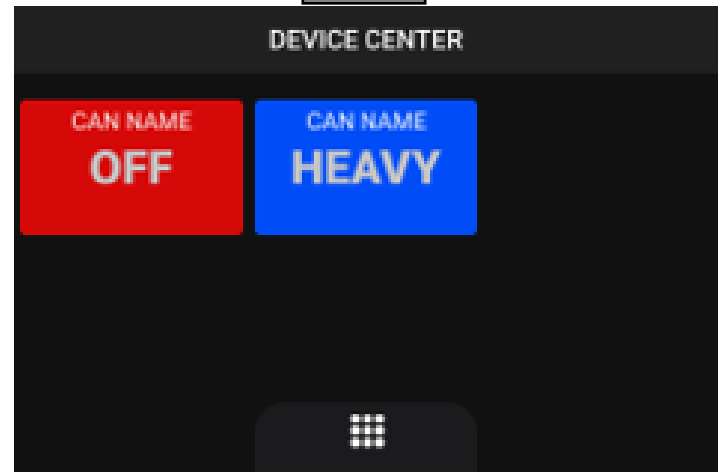
The Device Center allows access to factory- installed devices like Wind Sensors, Door Locks and Temperature Sensors.

Wind Sensors

Wind Sensors will appear for the first time in the OFF position. They require the customer to turn them on and accept the safety warnings.

NOTE: One Wind Sensor is OFF, one has been turned on to the "Heavy" wind setting, (Fig. 21).

Fig. 21



Door Locks

When installed at the factory, door locks will not show up in the Device Center unless they have been paired to the App by the customer, then paired with the RV.

Temperature Sensors

When installed at the factory, temperature sensors will not show up in the Device Center unless they have been paired to the App by the customer, then paired with the RV.

Light Center

The Light Center displays all lights, including those that do not have hardware buttons. Pressing on the light’s widget will turn it ON and OFF. If premium controls are available, a settings screen will appear.

Fig. 22

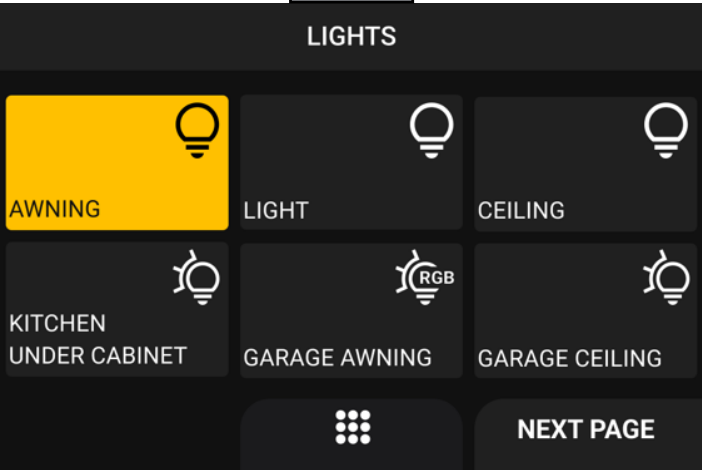
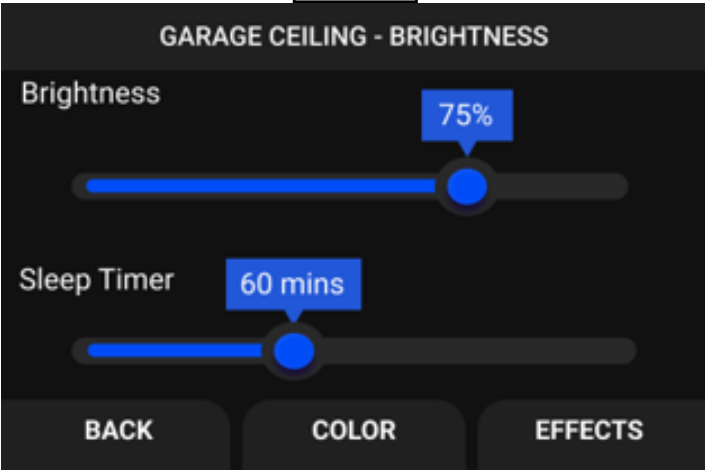


Fig. 23



Lighting

The Panel supports three types of lights. They are identified by different icons on both the screen (Fig. 22) and hardware buttons.

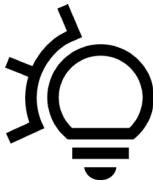
Standard Lights

These offer ON/OFF functionality only. They are identified by the following icon:



Dimming Lights

These feature dimming and a sleep timer (Fig. 23). Dimming can be performed from the screen or by pressing the hardware button. They use the following icon:



RGB Lights

These include dimming, a sleep timer, the ability to select a color (Fig. 24) and include effects such as blinking (Fig. 25). They are identified by the following icon:



Fig. 24

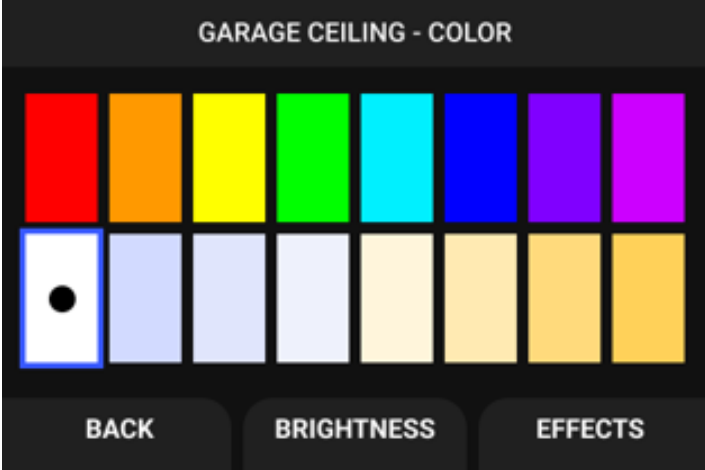
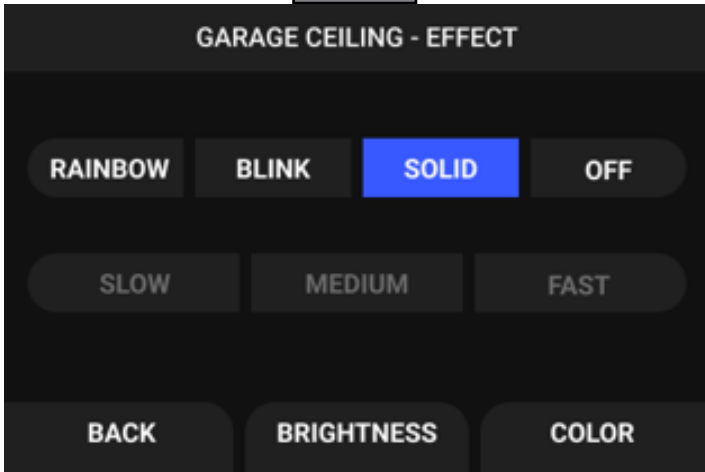


Fig. 25



Settings Center

Factory Reset

Use this to reset the system to default settings.

NOTE: When resetting to factory defaults, (Fig. 27), be sure to tap the OK button, (Fig. 27A), to enable the reset.

NOTE: Always perform a factory reset if a new unity board or SPMP is installed to replace a previously installed panel or board.

Fig. 26

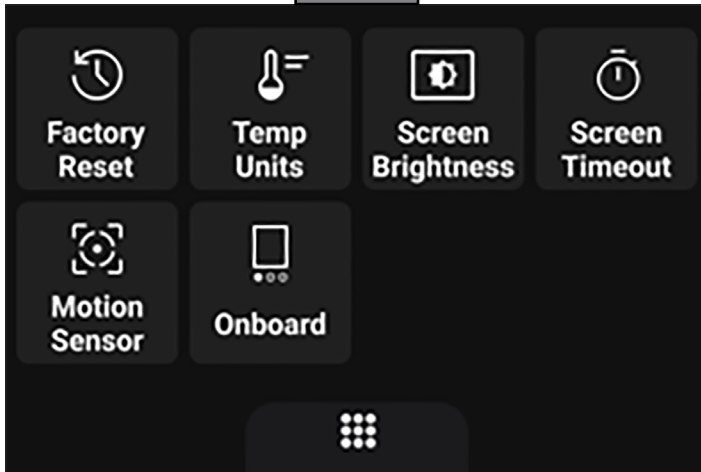
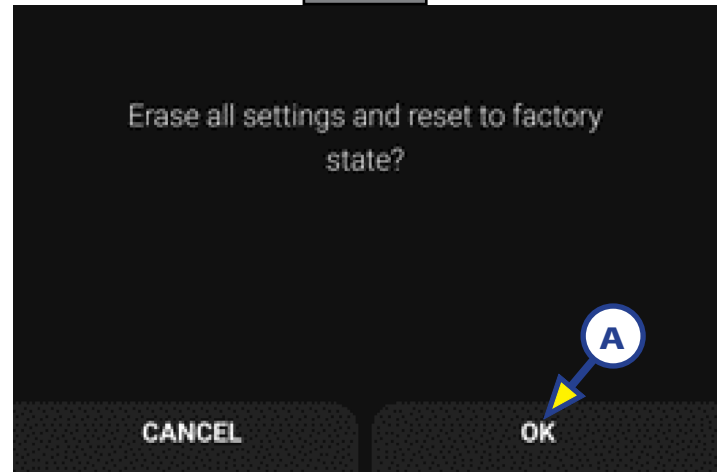


Fig. 27



Temp Units

Choose between Fahrenheit and Celsius. Will affect all displays such as HVAC and aftermarket temperature sensors, (Fig. 28).

Screen Brightness

Adjust the brightness of the 3.5" touch screen, (Fig. 29).

Screen Timeout

Use this to adjust how long the touch screen and buttons remain illuminated after being activated by the IR sensor or the last press on the screen or a button, (Fig. 30).

Motion Sensor

Use this to enable or disable the IR sensor, (Fig. 31).

NOTE: For Figures 28-31, be sure to tap the SAVE button, (A), to enable the changes.

Onboard

Use this to turn the onboarding sequence ON or OFF.

Fig. 28

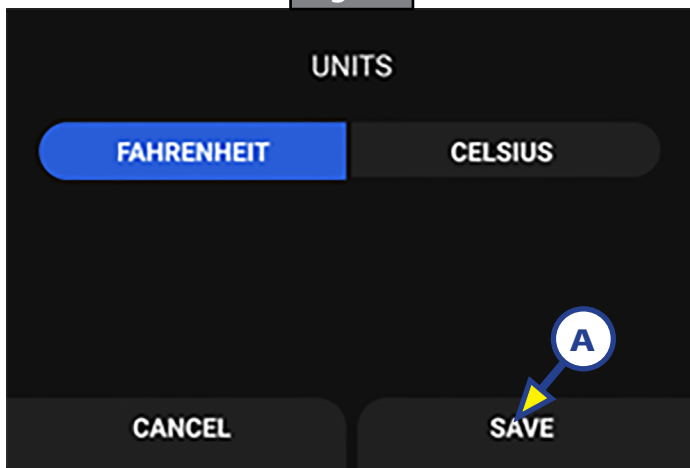


Fig. 29

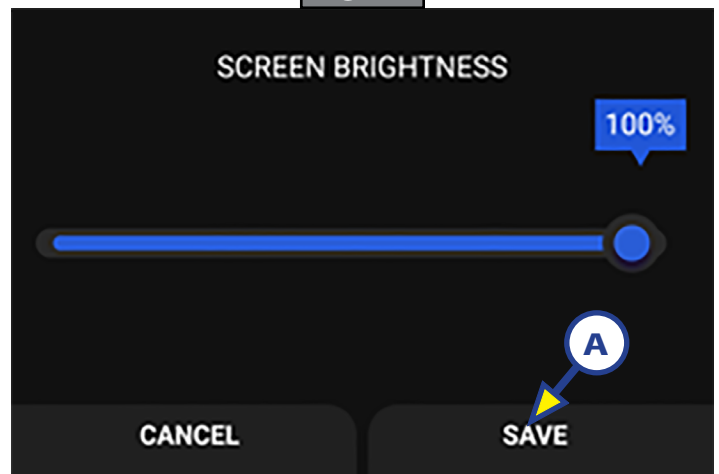


Fig. 30

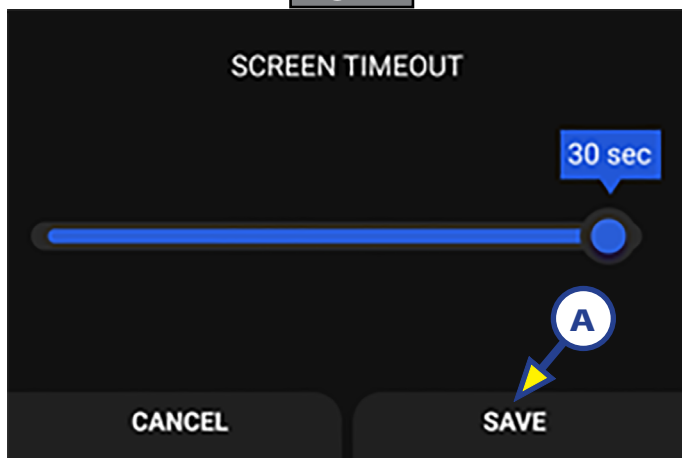
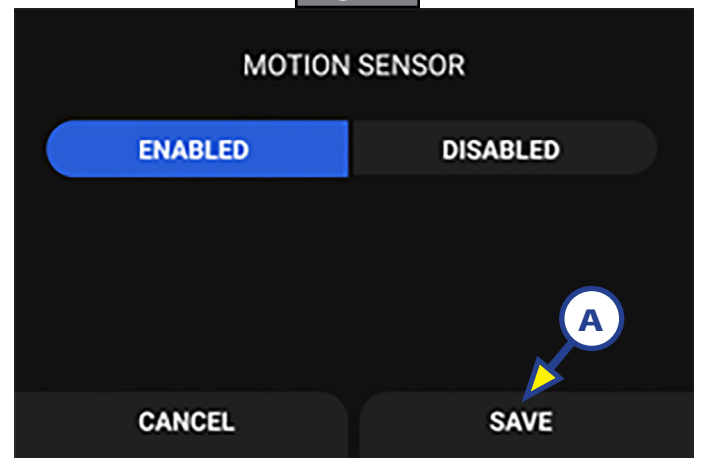


Fig. 31

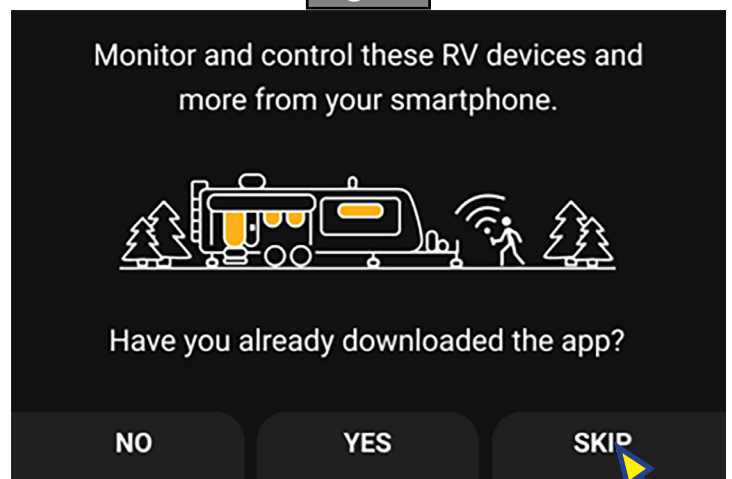


App Pairing

The App Pairing Center hosts the pairing sequence for customers.

NOTE: This function can be skipped. (Fig. 32A), at the OEM Install level. This function is for the End User. See **OneControl Platinum Series Panel Owner's Manual**.

Fig. 32



Hardware Buttons

The Panel provides up to 32 hardware buttons. Unlike Monitor Panel and Premium Monitor Panel, any latching or reversing device can be assigned to any button location.

To provide an intuitive experience for end users, the Panel has been organized into three rows. These allow an OEM to locate buttons in a recognizable hierarchy:

- Upper. Generally provides access to frequently-used latching devices light lights and tank heaters.
- Mid. Generally provides access to reversing devices like slides and awnings.

NOTE: Should fewer than 7 reversing switches be required, remaining button locations may be used for latching devices.

NOTE: A lift is operated from one button. When pressed, Up/Down buttons appear on the screen.

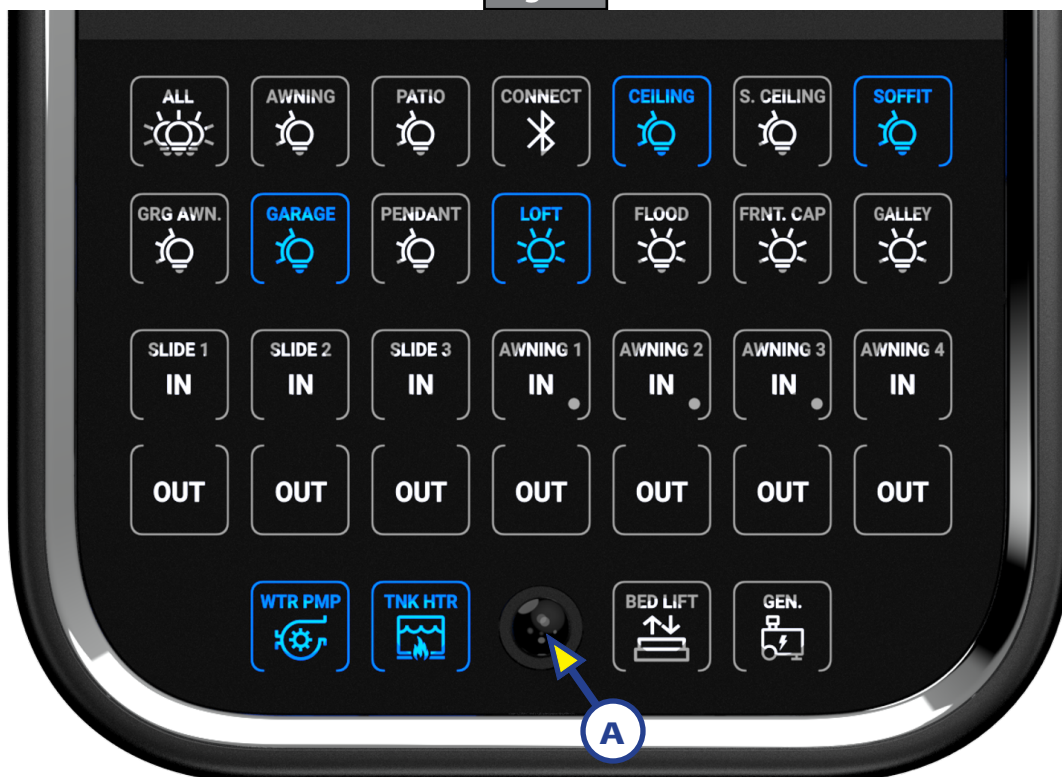
- Lower. Generally provides access to latching devices when the Upper level is full. The infrared motion sensor is located in the center of the row (Fig. 33A).

Hardware button layout (Fig. 33) will vary based on OEM preferences during the OneControl System configuration process.

Illumination

When the IR sensor is activated, the Panel will illuminate in white. When latching devices are ON, they will illuminate in blue. When a device is moving, the respective reversing button shall turn blue to indicate to the user that the function is in use.

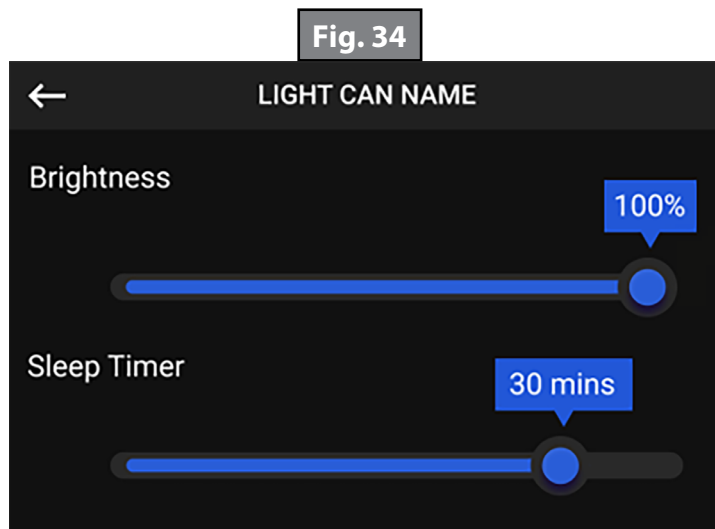
Fig. 33



Lighting (Fig. 34)

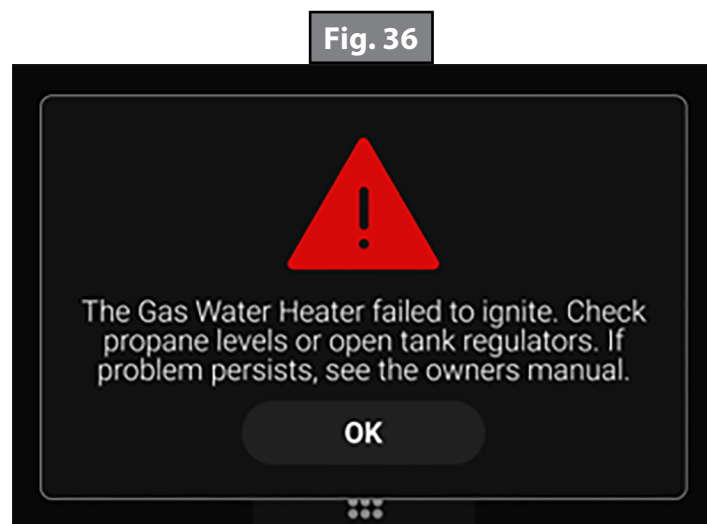
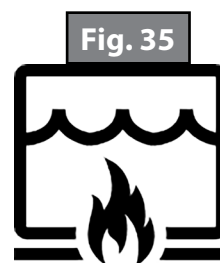
1. Lights are turned ON or OFF by pressing and releasing the appropriate hardware button.
2. The LED indicator will illuminate blue when lights are turned on.
3. The "All Lights" button will turn ON/OFF all lights detected on the OneControl System.
4. Lights with premium features are differentiated by a unique icon. When pressed, premium features display on the screen.

NOTE: Maintaining pressure on the button of a light with premium features will adjust brightness.



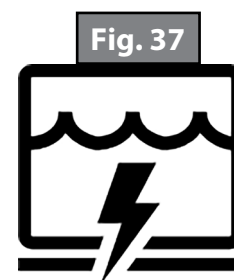
Water Heater - Gas

1. Gas water heater is activated by pressing and releasing the water heater button, (Fig. 35), with a flame icon.
2. The indicator LED will be solid blue when the heater is on.
3. If the gas water heater burner fails to ignite, a warning will appear on the screen, (Fig. 36), and the LED will flash blue for five seconds and extinguish. Press the button to reset the DSI Fault LED.
4. Gas water heater is turned off by pressing and releasing the button.



Water Heater - Electric

1. Electric water heater is activated by pressing and releasing the water heater button, (Fig. 37), with an electric bolt icon.
 - A. The blue LED indicator will illuminate solid blue while the heater is on.
 - B. Electric water heater is turned off by pressing and releasing the button.



Awnings and Slides

Extend or retract awnings or slide rooms by pressing and holding the IN or OUT button. Awning or slide will continue to move while the button is pressed.

When the awning or slide is at the desired position, release the button to stop movement.

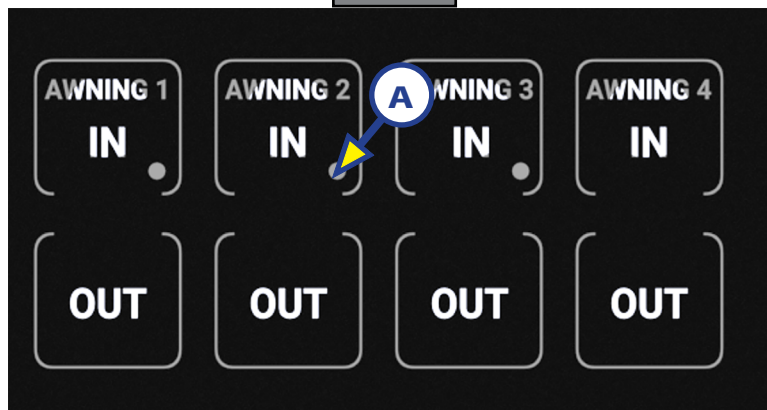
Awnings with Wind Sensors

When an awning is equipped with a OneControl Wind Sensor, the hardware buttons shall include a dot in the lower right corner (Fig. 38A). The Wind Sensor provides two functions: protection from severe winds and the convenience of Auto Extend and Retract.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

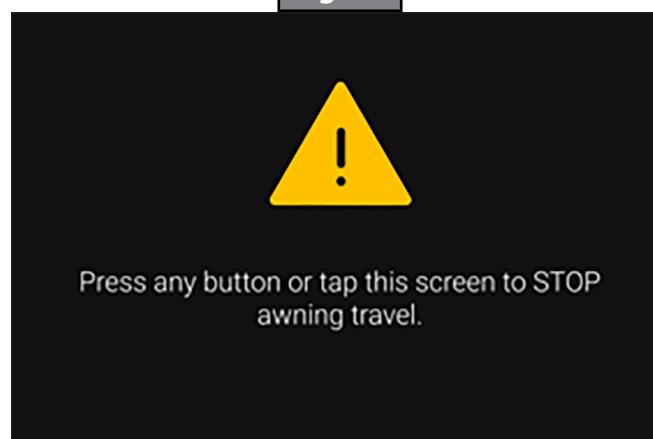
Fig. 38



Wind Protection: Emergency Retraction

- When a Wind Sensor is set to LOW, MEDIUM or HEAVY, the awning will automatically retract if wind levels exceed the setting.
- To alert the user of the automatic retraction, the Panel's screen shows a notification including instructions to cancel the operation (Fig. 39).
- The Wind Sensor will provide an audible alert and an outdoor light may be selected to flash during operation.
- For more information about Wind Sensors, please refer to their manual.

Fig. 39



Auto Extend and Retract

- The Wind Sensor enables automatic extension and retraction.

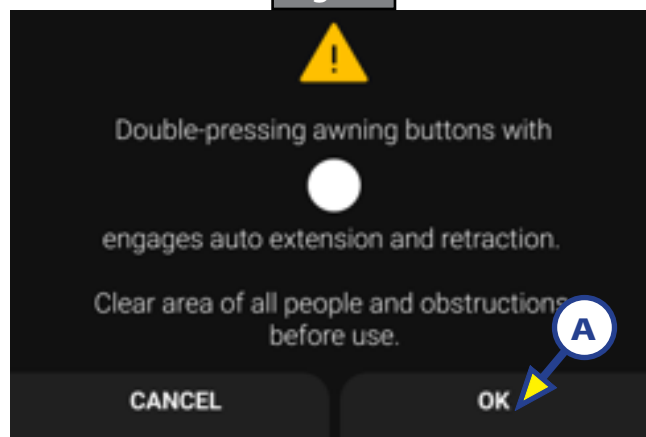
NOTE: To use Auto Extend or Retract, the Wind Sensor's sensitivity level may be set to OFF, LOW, MEDIUM or HEAVY.

- To use the feature, press the awning's IN or OUT button. This will launch a notification screen.

NOTE: This screen appears once each time the RV is powered ON.

- The screen instructs the user to double-tap the awning's IN or OUT button.
- If double-tapped, a screen will appear confirming the user's choice. It will remain up until awning travel has stopped.
- The screen includes instructions for cancel the operation, as well as warnings related to ensuring a clear travel area and remove obstructions. A user may CANCEL or proceed with the operation.
- For more information about Wind Sensors, please refer to their manual.

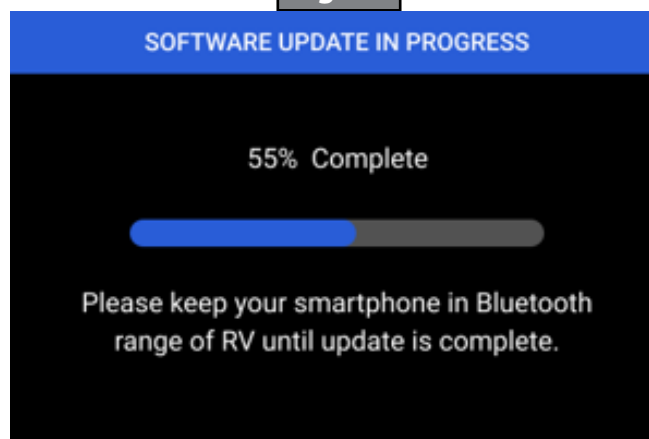
Fig. 40



Other Features

The Panel is configured for Over-the-Air (OTA) updates. The App will notify users when a software update is ready and provide instructions for the download. Updates may address bugs, improve performance, enhance existing features or add new ones.

Fig. 41





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