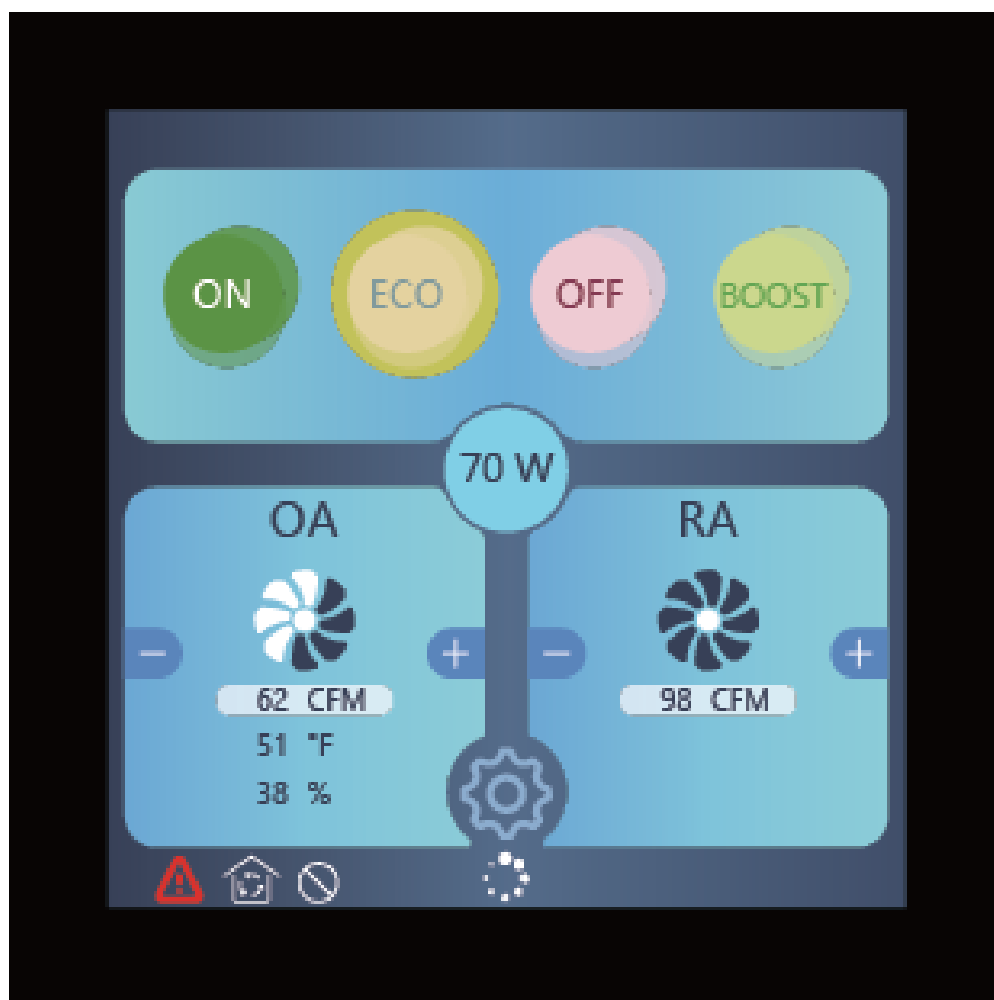




AERV VENTILATOR DIGITAL DISPLAY (FID) INSTALLATION & USER MANUAL

Models Covered:
AERV.DISPLAY

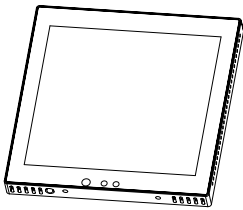


WARNING: DO NOT destroy or lose this manual. Please read the manual thoroughly. Also, store the manual in a place that allows for easy retrieval and future reference. As a result of continuous product improvement, the specification and design of this product are subject to change without advanced notice. Consult your manufacturer or your dealer for further details regarding this product. The images and illustrations within this this manual are for reference only. The actual shape and size of your product may vary.

VERSION DATE: 04-30-26



AERV Digital Display Installation & User Manual



Model: AERV.DISPLAY

WARNING

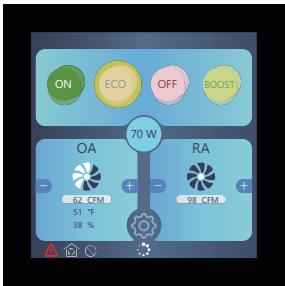
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- 1. Use this unit only in the manner intended by the manufacturer.
- 2. Before servicing or cleaning the unit, switch power off.
- 3. Installation work and electrical wiring must be done by a qualified professional in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
- 4. When cutting or drilling into the wall, do not damage the electrical wiring and other hidden utilities.

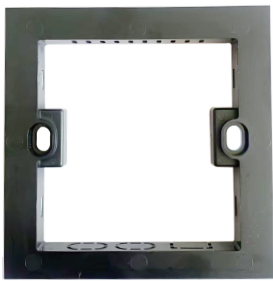
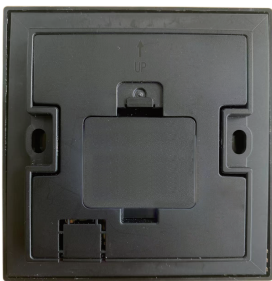
CAUTION

- 1. Read all instructions before installing or using this unit.
- 2. To reduce the risk of fire, make sure the unit is free of any shipping materials.
- 3. Inspect all wiring connections and make sure they meet the correct current capacity.
- 4. When the unit is connected, adjust the OA and RA knobs on the control board to 100 CFM to match the default setting of this unit.

HARDWARE CONTENTS



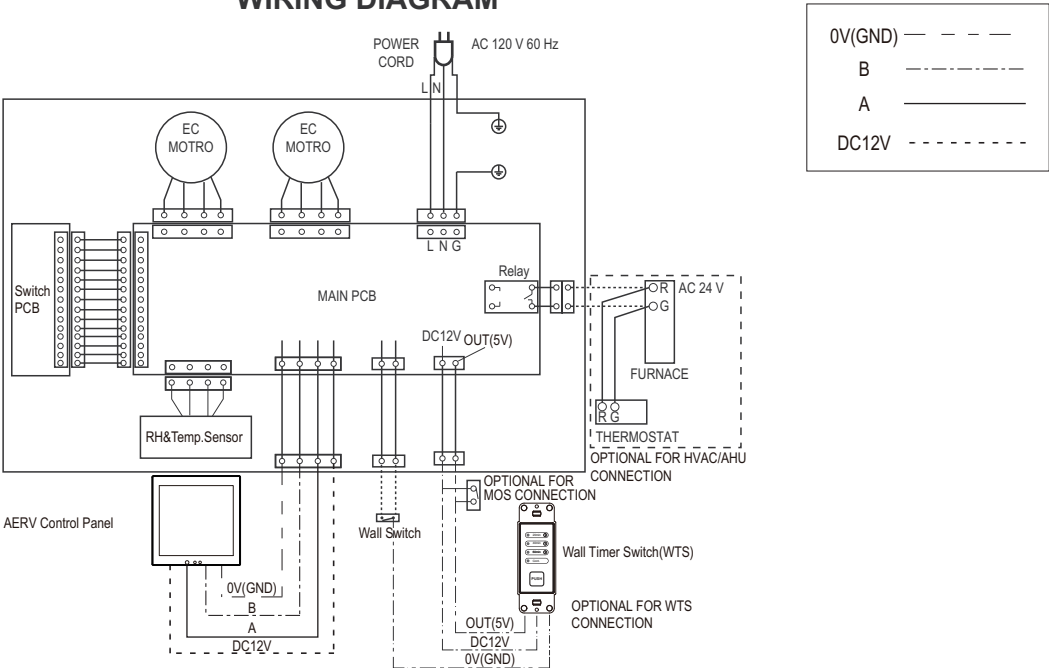
AERV Control Panel



Bracket

ELECTRICAL CONNECTIONS

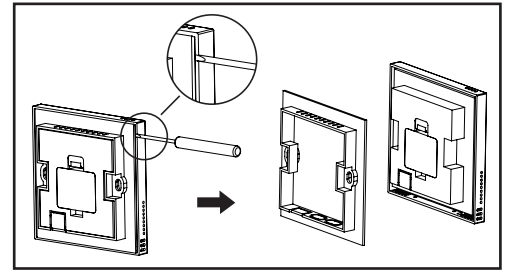
WIRING DIAGRAM



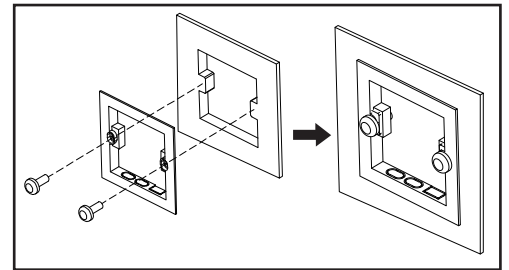
READ AND SAVE THESE INSTRUCTIONS
Installer: Leave this manual with the homeowner.

ASSEMBLY INSTRUCTIONS

1. Use a flathead screwdriver to pry off the bracket from the AERV Control Panel.



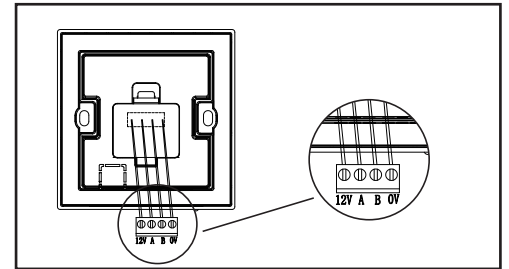
2. Install the bracket to the wall with two screws, pay attention to the up direction.



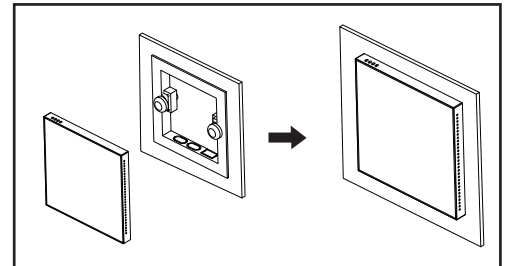
3. Connect the wires to the terminals on the AERV Control Panel. Record which wire color is connected to each terminal for future reference.

We recommend using the following wire color for each terminal:

Red for "12V",
Yellow for "A",
Green for "B",
Black for "0V".



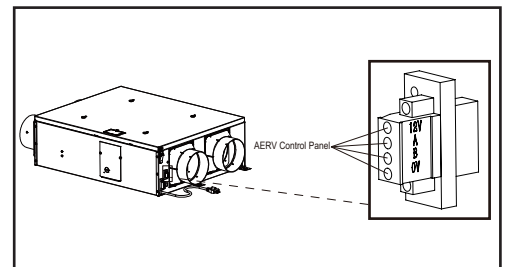
4. Install the AERV Control Panel onto the bracket. No screws are required — the display is secured in place by the locking tabs.



5. Connect the wires to the terminals.

Note: Match the wire color with the right terminal:

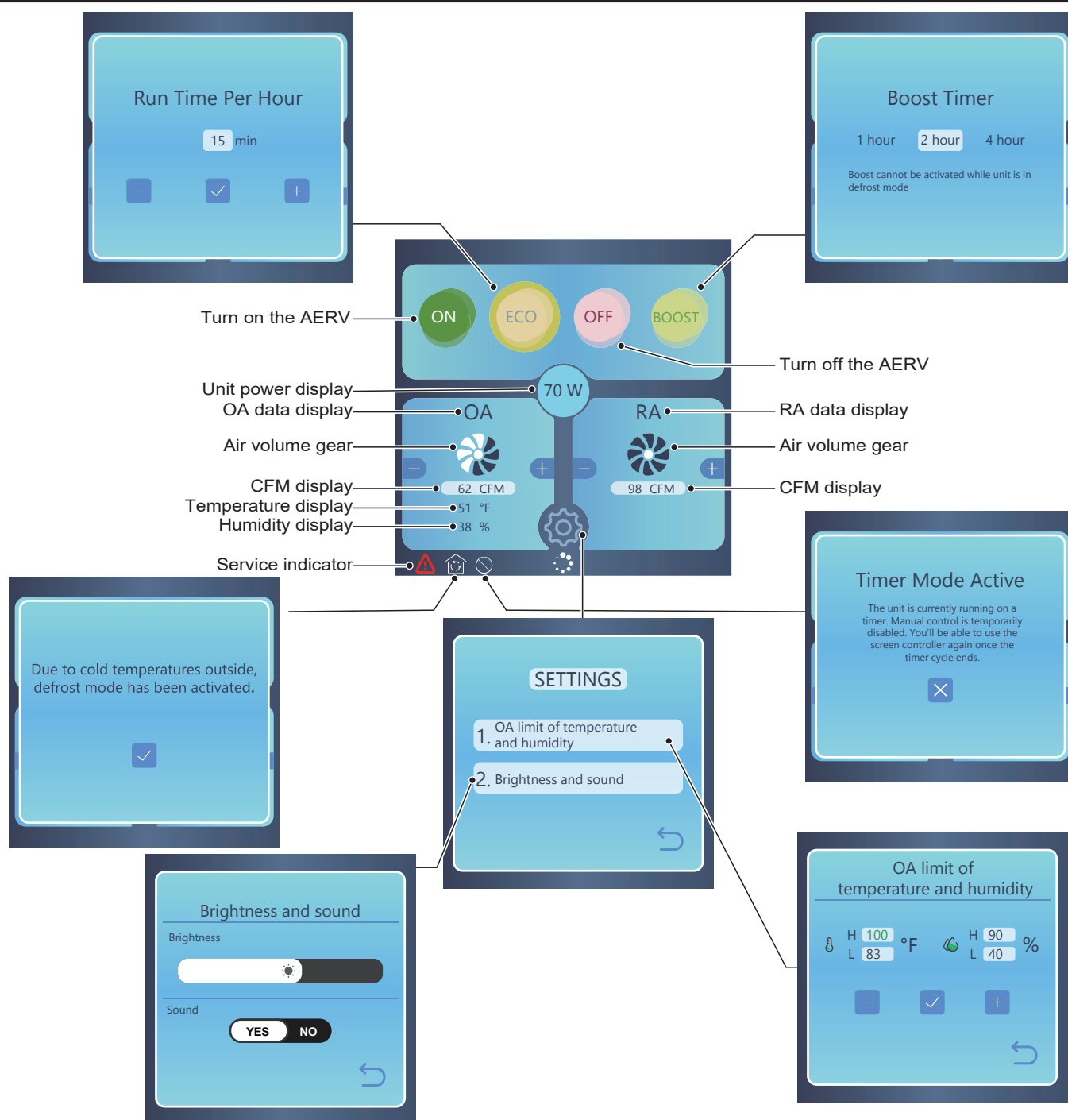
- Red wire to terminal "12V".
- Yellow wire to terminal "A".
- Green wire to terminal "B".
- Black wire to terminal "0V".



CAUTION

Make sure all wires are connected correctly according to the instructions stated above. Failure to do so may result in short circuit and/or damage to the fan and the unit.

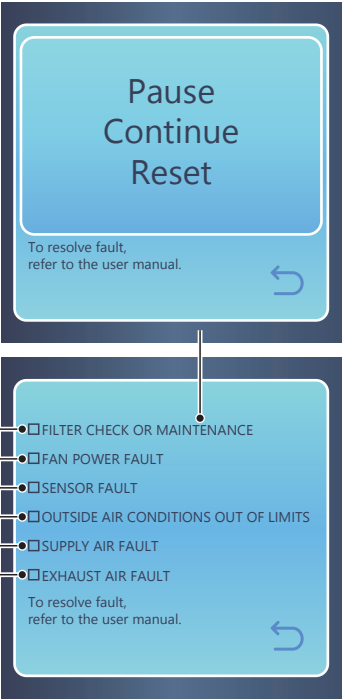
OPERATIONS



Icon	Function	Description
ON	Turn on the AERV	The AERV will power on and run continuously.
ECO	Intermittent mode	Press ECO to open a pop-up page displaying the running timer per hour. Press to adjust the time in 5-minute increments, with a range of 10 to 55 minutes.
OFF	Turn off the ERV	The AERV will stop running.
BOOST	Boost mode	When BOOST MODE is selected, the unit operates at high speed. You can choose a boost duration of 1, 2, or 4 hours. BOOST MODE cannot be activated when the outdoor air temperature is below 14°F to prevent frosting of the exchange core.
	ERV running speed	Press to adjust the running speed of the AERV. The current speed will be displayed below this icon.
	Defrost mode indicator	This icon appears when the AERV is operating in defrost mode. The defrost mode occurs automatically when the OA temperature is too low and cannot be overridden or turned off manually.
	Settings	Press the icon to open the setting screen. Press to set the OA temperature and humidity limits. Press to set the brightness and sound.
	Service indicator	This icon appears when the AERV requires routine maintenance.
	Timer mode activated	The AERV is running on a timer. All manual operations are temporarily disabled until the timer ends.
	Loading	This icon appears when different operations are done in quick succession. The system is processing the inputs.

Note: After the screen is locked, pressing anywhere on the screen will turn the display on.

TROUBLESHOOTING:



An "x" will appear in the square when the overall run time reaches 2160 hours
 OA or RA motor fault alarm
 Temperature and humidity sensor fault alarm
 Will alarm: When the OA temperature exceeds the limit for more than 1 minute, or the OA humidity exceeds the limit.
 An "x" will appear when the OA fan is running at less than 40% of the set limit for more than 1 minute
 An "x" will appear when the RA fan is running at less than 40% of the set limit for more than 1 minute

- ☐ FILTER CHECK OR MAINTENANCE
- ☐ FAN POWER FAULT
- ☐ SENSOR FAULT
- ☐ OUTSIDE AIR CONDITIONS OUT OF LIMITS
- ☐ SUPPLY AIR FAULT
- ☐ EXHAUST AIR FAULT

Icon	Function	Description
	Filter check or maintenance	A reminder to clean/replace the filter when the overall run time reaches 2160 hours. Press the texts to display a page with options to Pause, Continue and Reset.
	Stop the fault detection (disable the alarm sound)	This option only disables the alarm sound to allow for a quiet troubleshooting environment. The underlying issue still needs to be identified and resolved.
	Enable the fault detection	Press to enable the fault detection when done troubleshooting and/or replacing the faulty parts. If the faults persist, the alarm will remain activated. Please check the unit again or contact a qualified technician for assistance.
	Reset	This refers to replacing the filter once the accumulated usage time has been reached. Selecting "Reset" will clear the accumulated time. After resetting, both the display and audible alarms will be canceled simultaneously.

! CAUTION

- In addition to the display, there is an alarm reminder. The alarm buzzer sounds every 4 hours, lasting 5 seconds each time.
- For FILTER CHECK or MAINTENANCE alarms, a pop-up page will appear with the options: Pause, Continue, or Reset.
- Exiting alarms: All alarms can be dismissed by pressing the Return button to go back to the main interface. Clicking the  icon will display the alarm interface again.
- If the screen does not power on, ensure the AERV unit is powered on, as the display receives power from the AERV unit.

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The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details. Any updates to the manual will be uploaded to the service website, please check for the latest version.