



WARNING

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

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

HIGHLIGHTS

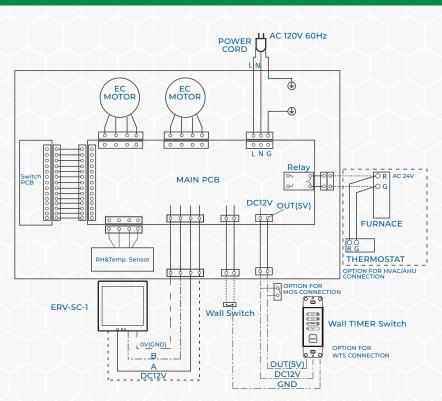
Wall Mounted, Screen Controller for Energy Recovery Ventilators

- Ultra thin wired controller OCA bonded capacitive touch screen Easy installation Powered by ERV, no battery required
- Wide viewing angle

CAUTION

- Read all instructions before installing or using this unit.
- To reduce the risk of fire, remove any shipping material that may be present inside the unit.
- Inspect all wiring connections ensuring they meet the correct current capacity.
- After connecting the ERV-SC-1, please keep the knobs on the control board at the factory settings (100CFM).

WIRING DIAGRAM







HARDWARE CONTENTS





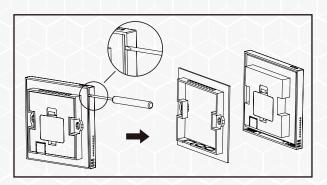


ERV-SC-1

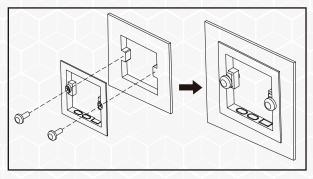
Bracket

ASSEMBLY INSTRUCTIONS

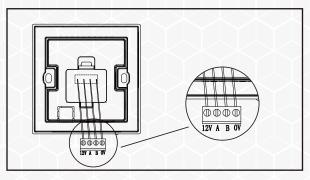
1. Using straight screwdriver, pry off the bracket of the ERV-SC-1.



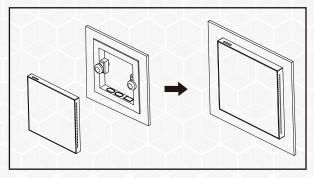
2. Install the bracket to the wall using two screws. Ensure the bracket is oriented correctly (up).



3. Connect wire to terminals on the ERV-SC-1, note which wire color has been chosen for each terminal.



4. Install the ERV-SC-1 to the bracket without using screws, the ERV-SC-1 can be fixed by the tabs.



We suggest to use the following wire colors for each terminal: Red for "12V",

Yellow for "A",

Green for "B",

Black for "0V".

6. After connecting the ERV-SC-1, please keep the knobs on the control board at the factory settings (100CFM).

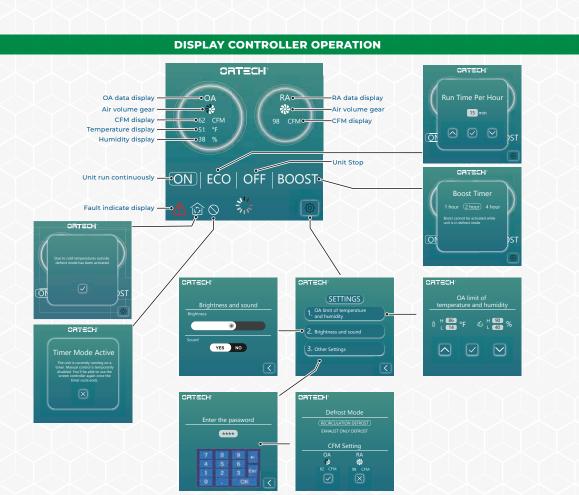


Please connect according to the requirements, do not connect incorrectly, otherwise it may cause electrical damage.

5. Connect wires to terminals on the unit. 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 "OV".







ICON	FUNCTION				
ON	Continuous Ventilation				
ECO	Intermittent Ventilation	If ECO selected, there will be popup page showing the run timer per hour. Press to adjust the run time.			
OFF	Turn Unit Off	If OFF selected, the unit will stop running.			
BOOST	High Speed Ventilation	If BOOST selected, the unit will run at high speed. Ihour, 2hour, 4hour boost mode time can be selected. When the OA temperature is below 14°F, the BOOST mode cannot be activated to prevent the exchange core from frosting.			
	Setting the Ventilation Speed	Enter the password, then adjust the current CFM. The fan speed will be displayed in the middle of the screen.			
	Defrost Indicator	A defrost indicator appears when the unit is operating in defrost mode. Defrost mode occurs automatically and cannot be overridden.			
€	Settings	Press to go to the Settings page Select the number, Press to adjust the temperature and humidity, limit. Series brightness and sound, pull the progress bar to adjust the screen brightness. Screen sound can be selected to turn on or off Setting defrost mode and fan speed.			
	Service Indicator	A service indicator appears when the unit requires routine maintenance.			
	Timer Mode Active	The unit is currently running on a timer. Manual control is temporarily disabled. You'll be able to use the screen controller again once the timer cycle ends.			
916	Loading	If the mode is switched too quickly in succession, the loading icon appears.			

Note: After the screen sleeps, pressing anywhere on the screen will light up the screen.









OPERATIONS

- 1. Press the ON button to let the unit ventilate continuously.
 - a. When the outdoor temperature is higher than -10°C, the unit will run continuously.
 - $b.\ When \ the \ outdoor \ temperature \ is less \ than \ -10^{\circ}\text{C}, \ the \ unit \ run \ as \ per \ the \ Temperature \ Sensor \ Operation \ tables \ in \ manual.$
- 2. Press the ECO button to set the running time per hour. The unit will run as follows:

10min: run 5min, stop 25min;

15min: run 5min, stop 15min;

20min: run 5min, stop 10min;

25-55min: run as per the set time once per hour.

3. When the outdoor temperature and humidity is out of OA limit of temperature and humidity range, the unit will run as per a 5 min on/15 min off cycle. OA limit of temperature and humidity setting range is as follows:

Temperature High: 68-113°F Temperature Low: 14-50°F Humidity High: 45-99% Humidity Low: 10-40%

TROUBLE SHOOTING



ICON	FUNCTION	DESCRIPTION		
$\overline{\mathbf{X}}$	Filter check or maintenance	Will display when accumulated run time reaches 90 days. Click to display Pause, Continue, Reset.		
PAUSE	Pause Sound Alarm	The alarm sound is temporarily suspended. This setting only cancels the alarm, while the fault codes on the display screen continue to be shown to remind the customer.		
CONTINUE	Resuming Sound Alarm	Resuming the detection of faults. If the faults persist, the alarm will continue to be activated.		
RESET	Reset Button	The action of replacing the filter after the accumulated usage time has been reached. By selecting "Reset," the accumulated time will be reset. After the reset, both the display alarm and the audible alarm will be canceled simultaneously.		

- In addition to the display, the unit also provides alarm reminders. The alarm buzzer sounds every 4 hours, lasting for 5 seconds each time. During the FILTER CHECK OR MAINTENANCE alarm, there will be a popup page showing: Pause, Continue or Reset.
- All alarms can be exited by pressing the return button to go back to the main interface. And by clicking the "🗥" icon, the alarm interface can be displayed again.
- If the screen is not powered, please check the ERV unit is powered on, the display is powered by the ERV unit.

REFERENCE	QUANTITY	REMARKS	PROJECT DETAILS	
		X X	Project:	>
YIYI	YIY	YYY	Location	
			Architect:	人
\times	\times		Engineer:	
Y		YIYI	Contractor:	Y
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