

## FANTECH ECOTouch

# Fantech ECO-Touch Programmable Touch Screen Wall Control

Model: ECOTouch

Brand: FANTECH

## INTRODUCTION

The Fantech ECO-Touch Programmable Touch Screen Wall Control is designed to provide intuitive and efficient management of your home's ventilation system. This advanced control unit features a touch screen interface, allowing for easy adjustment of settings and monitoring of indoor conditions. Its unique ECO Mode optimizes operation for energy efficiency, while various manual modes offer tailored control over ventilation and fan speed. The ECO-Touch is compatible with Fantech's SHR/VHR (HRV), SER (ERV), and FLEX Series units.

This manual provides essential information for the proper installation, operation, and maintenance of your ECO-Touch control.

## SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Improper installation or use can lead to electrical shock, injury, or damage to the product. Always disconnect power before performing any wiring or maintenance.

- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the power supply to the ventilation unit is disconnected before connecting the ECO-Touch control.
- Do not expose the control to water or excessive humidity.
- Do not attempt to repair or modify the unit yourself. Refer all servicing to qualified personnel.

## SETUP AND INSTALLATION

The ECO-Touch control is designed for simplified installation, utilizing a proprietary two-wire communication protocol that is not polarity sensitive. It can be mounted to a standard electrical box or directly to the wall.

### Mounting

1. Choose a suitable location for the control, typically in a central living area.
2. Ensure the power to the ventilation unit is OFF at the circuit breaker.
3. Mount the control unit either directly to the wall or to a standard electrical box using appropriate screws.

## Wiring

1. Connect the two communication wires from your Fantech ventilation unit to the designated terminals on the ECO-Touch control. The two-wire protocol is not polarity sensitive, simplifying connections.
2. Ensure all connections are secure.
3. Once wiring is complete, restore power to the ventilation unit. The ECO-Touch display should power on. If the display does not power up, check the connections; sometimes, reversing the connector orientation can resolve this.



Figure 1: Front view of the Fantech ECO-Touch control. The display shows sections for 'AUTO', 'MANUAL', and 'OPTIONS', along with a house icon indicating ventilation status. The Fantech logo is visible at the bottom.

## OPERATING INSTRUCTIONS

The ECO-Touch offers both automatic and manual operation modes to suit various user preferences.

## Display Overview

- **LCD Backlit Touch Screen:** 2 x 3 inch (5.08 cm x 7.62 cm) display for clear visibility and interaction.
- **Indoor Temperature Display:** Shows current indoor temperature in Fahrenheit or Celsius.
- **Indoor Relative Humidity Display:** Shows current indoor relative humidity.
- **Ventilation Movement:** Indicated on screen.
- **Maintenance Reminder:** An indicator will appear when maintenance is due.
- **Error Code Messages:** Displayed to assist with troubleshooting.

## Modes of Operation

- **ECO Mode (Automatic):** This unique one-touch mode automatically selects the optimal operating settings based on current home conditions. It is designed to lower energy consumption by up to 25% while maintaining desired indoor air quality.
- **Manual Modes:**
  - **Ventilation Mode:** Allows manual control over the ventilation process.
  - **Fan Speed:** Adjust the fan speed of the connected ventilation unit.
- **MAX Mode:** Provides extra ventilating power to quickly clear the air. When activated, the system exchanges indoor air for outdoor air at maximum speed for a user-selected duration of 20, 40, or 60 minutes.

## Settings and Preferences

- **Temperature Units:** Select between Fahrenheit or Celsius for temperature display.
- **Humidity Preferences:** Set desired indoor relative humidity levels.
- **Power Outage Retention:** All programmable settings are retained automatically during power outages, eliminating the need for re-configuration.

## MAINTENANCE

The Fantech ECO-Touch control requires minimal maintenance. The unit does not use batteries, so there is no need for battery replacement.

- **Cleaning:** Gently wipe the touch screen and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Maintenance Reminder:** The control features a maintenance reminder indicator. When this indicator appears, it typically signals that the connected ventilation unit may require filter cleaning or replacement, or other routine maintenance as specified in the ventilation unit's manual.

## TROUBLESHOOTING

If you encounter issues with your ECO-Touch control, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Control display does not power on.	No power to the ventilation unit; incorrect wiring connection; faulty unit.	<p>Ensure power is restored to the ventilation unit at the circuit breaker.</p> <p>Check the two-wire connection at the control and the ventilation unit. Although not polarity sensitive, ensure the connector is fully seated and try reversing its orientation if necessary.</p> <p>If the issue persists, contact Fantech support.</p>
Incorrect temperature/humidity readings.	Sensor obstruction; unit malfunction.	<p>Ensure the control is not exposed to direct sunlight, drafts, or heat sources that could affect readings.</p> <p>Verify settings for Fahrenheit/Celsius.</p> <p>If readings remain inaccurate, contact Fantech support.</p>
Ventilation unit not responding to control.	Communication error; ventilation unit issue.	<p>Check wiring connections between the control and the ventilation unit.</p> <p>Refer to the ventilation unit's manual for its own troubleshooting steps.</p> <p>Look for any error codes displayed on the ECO-Touch screen and consult the Fantech documentation for their meaning.</p>

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Fantech customer support.

## SPECIFICATIONS

Feature	Detail
Model Number	ECOTouch
Dimensions (Product)	5.4 x 4.4 x 1.5 Inches (approx. 13.7 x 11.2 x 3.8 cm)
Weight	4.8 Ounces (approx. 136 g) / 173 g (from specifications)
Display	2 x 3 inch (5.08 cm x 7.62 cm) LCD backlit touch screen
Power Source	AC (powered by ventilation unit)
Communication Protocol	Proprietary two-wire (not polarity sensitive)
Temperature Display	Fahrenheit or Celsius
Humidity Display	Indoor relative humidity
Battery	None required
Compatibility	Fantech SHR/VHR (HRV), SER (ERV), and FLEX Series units

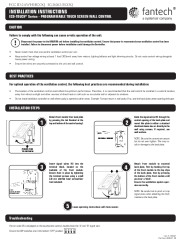
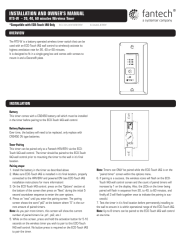


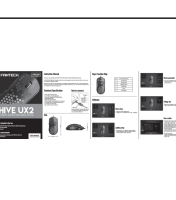
## WARRANTY AND SUPPORT

For information regarding the warranty of your Fantech ECO-Touch control, please refer to the warranty documentation provided with your Fantech ventilation unit or visit the official Fantech website. Warranty terms and conditions may vary.

If you require technical assistance, have questions about installation, operation, or troubleshooting, please contact Fantech customer support directly. Contact information can typically be found on the Fantech website or in the packaging of your product.

**Fantech Official Website:** [www.fantech.net](http://www.fantech.net) (Note: This is a generic link, actual support link may vary by region)

### Related Documents - ECOTouch

	<p><a href="#">Fantech ECO-TOUCH Series Programmable Touch Screen Wall Control Installation Instructions</a></p> <p>Installation instructions for the Fantech ECO-TOUCH Series Programmable Touch Screen Wall Control. Covers installation steps, best practices, troubleshooting, and operation.</p>
	<p><a href="#">Fantech RTS-W Wireless Timer Installation and Owner's Manual</a></p> <p>Installation and owner's manual for the Fantech RTS-W wireless timer, a battery-operated switch compatible with the ECO-Touch IAQ system for controlling HRV/ERV ventilation rates.</p>
	<p><a href="#">FANTECH PAC4 Portable Cooler Quick Start Guide - Features and Usage</a></p> <p>Comprehensive quick start guide for the FANTECH PAC4 Portable Cooler. Learn about its technical specifications, product features, how to operate, and charge the device efficiently.</p>
	<p><a href="#">ECOTOUCH Electric Ceramic Cooktop CRAH302B: Installation and Use Manual</a></p> <p>Comprehensive guide for installing, using, and maintaining the ECOTOUCH Electric Ceramic Cooktop model CRAH302B. Includes safety instructions, operating procedures, troubleshooting, and technical specifications.</p>
	<p><a href="#">Fantech HIVE UX2 Ultimate Macro RGB Gaming Mouse: Instruction Manual and Features</a></p> <p>Detailed guide for the Fantech HIVE UX2 gaming mouse, covering setup, technical specifications, software customization for DPI, lighting effects, macros, and polling rate. Learn how to connect and optimize your gaming experience.</p>



Thanks for your trust in ECOTOUCH. It is a joy to provide services in your district. It is one of our  
top priorities to provide the best service to you.  
To ensure the safe and effective use of this product, please read the instructions carefully, and  
follow the instructions and safety warnings. Do not use the product if you are not sure about the  
instructions. For safety reasons, please read the instructions carefully before using the product.  
Please keep this manual with you after installation, you may need it to know where to  
contact us for help.

[ECOTOUCH Electric Tankless Water Heater Instruction Manual](#)

Comprehensive instruction manual for the ECOTOUCH Electric Tankless Water Heater, covering installation, operation, safety, troubleshooting, and maintenance. Includes technical specifications and warranty information for models ECO55W/ECO55B.