



# USER'S GUIDE

## **Model: VentirPro-S2 Crawlspace Fan**

Please read this manual carefully before using the assigned product. Keep this manual stored in a safe place for future reference.

DIRECTION: AIR-OUT



Dear user,

Welcome and thank you for choosing AlorAir's VentirPro-S2 Crawlspace Fan.

The VentirPro-S2 Crawlspace fan uses a lattice screen and cutting-edge DC technology to drive and control the ventilator fans. The double ball DC motor is built to last which gives you more than 65,000 hours of running time.

Please read the product instructions thoroughly before installation. These instructions must be carefully followed and consistent with the equipment. **Do not destroy this manual.**

## Product Description

The VentirPro-S2 Crawlspace Fan is designed to allow fresh outdoor air to circulate under the house and porch. The high humidity that circulates the crawlspace is the main reason for the premature decay of the support column, joist, floor, and crossbeam support of the home. High humidity can promote the growth of fungi and increase the activity of termites. High humidity can also cause pipeline failure due to rust and corrosion. The continuous operation of the fan helps to vent radon, gases from treated wood, and other odors that may spread into the living area. Controlled by a circuit board, the dehumidifier control fan starts when the relative humidity is higher than the selected set value.

## Accessories List

FAN SYSTEM: ×1    POWER ADAPTER: ×1    WALL ANCHORS: ×4  
TEMPERATURE AND HUMIDITY PROBE SENSOR: ×1

## Product Technical Parameters

Standard size: 18×9×1.7in

Machine net weight: 4.7 lbs

Rated power: 8.5 W

Rated voltage: 110V-230V, 50/60Hz

## Attention

1. It is prohibited to use this product in places that may lead to water intake such as water exposed environments like the outdoors, from sprinklers, near bathtubs or swimming pools, etc.
2. Only use this product in the correct electrical environment.
3. It is prohibited to disassemble this product on your own. If you have any questions or concerns, please contact the company's After-Sales department.
4. Do not run the VentirPro-S2 Crawlspace Fan for an unnecessary extended period. Please unplug the power supply when not in direct use.
5. Keep the surface of the machine clean. Please wipe with a soft wet cloth and do not use frictional, volatile cleaning agents or solvents so as not to damage the surface coating.
6. When the equipment is in use, the LCD screen is atomized due to excessive humidity in the home. Please turn off the equipment in time to



prevent it from being closed by short circuit due to condensed water. If you notice that the equipment is not short-circuited in time, please do not worry. After the water in the machine evaporates, the equipment will resume operation.

## **Pre-installation Instructions**

The VentirPro-S2 Crawlspace Fan must be installed by qualified installers in accordance with these instructions and all local codes, and in the absence of these codes, in accordance with the latest version of the International Residential Code and the International Electrical Code. Improper installation can cause dangerous situations such as fire, electrical shock, or personal injury. Using this equipment as directed by the manufacturer will significantly reduce these risks. Be sure to disconnect the crawlspace ventilator from its power supply before installation and maintenance. The temperature and humidity probe should be installed in the same space as the equipment (ensure that the temperature and humidity probe will not get wet or damaged). If you have any questions, please contact the ALORAIR manufacturer.

## **The Tools Needed**

1. 5/16 "nut roller or Phillips screwdriver.
2. If installed on bricks or foundation blocks, use a 5-stroke 16-inch masonry bit.

## Installation

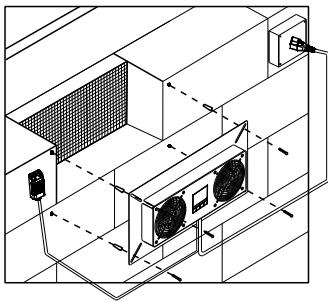
### Position

The VentirPro-S2 Crawlspace Fan is installed in the crawl space behind the existing foundation ventilation opening. The vents should be within three feet of every corner of the building.

**Note:** The VentirPro-S2 Crawlspace Fan must be installed in the climbing space, and the electrical box and motor must face the inside of the climbing space.

1. Remove existing doors or coverings on ventilation holes around the building.
2. Put the fan in the low building above the vent.

3. If installed on a base block or brick, mark the position on the four corners of the metal panel and drill 5/16 "holes." Install the wall anchor on the opening and secure the climbing fan to the wall with four screws. If installed on a wooden frame, install rims or meshes on the existing climbing space vents and secure the climbing space ventilator screws, washers and nuts to the four corners of the fan metal panel.



4. If the mounting board needs to be modified to accommodate important openings, the following trimming advice should be followed: be careful when trimming the mounting board to avoid damage to the power cord.

## Instructions



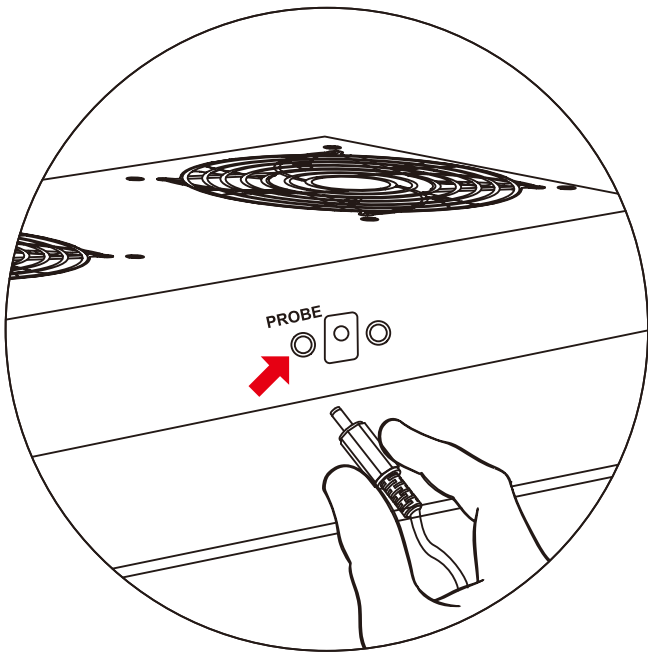
**Energy  
saving**

**Health**

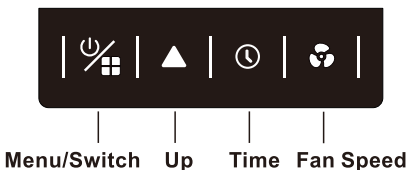
**Safety  
protection**

**Intelligent  
control**

1. Insert the connector of the temperature and humidity probe into the designated port located at the bottom of the fan unit.



2. Plug in the plug of the active power adapter into the jack located at the bottom of the controller

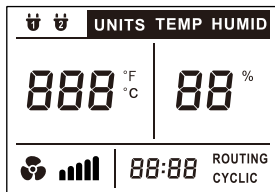


- (1) **“Power/Menu” Button**: Press this button for 3-5 seconds to turn the unit ON/OFF. Each time you press the menu button once, it will select the next menu (Units, Temp, Humidity).
- (2) **“Up” Button**: Press this button to increase the given value upward.
- (3) **“Time” Button**: Pressing this button the first time will set the ROUTING, which means the running time. Pressing this button a second time will set the CYCLIC, which means standby time. You can increase the running and standby time with the **Up Button**.
- (4) **“Fan Speed” Button**: Press this button to adjust the fan speed from 1-5. Press this button for 5 seconds to start the automatic humidity/temperature adjustment.

## LCD Display:

1. When the fan is powered on but is not working:

a) Enter the following interface after the fan is powered on. (You should hear a "Beep" when the fan is powered on)



## Screen:

### Values on Screen:

Shows the fan icon, the sensor's °F/°C, temperature, humidity temperature, timer, °F/°C.

### Icon including:

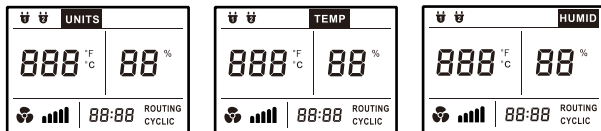
① Host, ② Host;

### Menu:

Units Menu, Temperature Menu, Humidity Menu;

### In Units Menu, Temperature Menu, Humidity Menu:

If there is no button action for 5 seconds, the device will operate according to the set parameters. Cycle through the different menu icons by pressing the **Power/Menu Button** once each time and use the **Up Button** to adjust the value within the selected menu. (Figure 2-1)



(2-1)

*When the equipment is running, press any key without interrupting the operation of the equipment. After obtaining the new setting parameters, it will run according to the new parameters.*

### a) Fan icon:

Runtime: Every bar means an increased fan gear, from 1-5.

Failure: When the bars disappear (make sure the unit is connected to power). The buzzer sounds intermittently and continuously; press any key to cancel the buzzer.

Blinking: When the fans are running.



Failure



Runtime: Displays the fan gear bars and fan icon.

### Humidity/Temperature icon:

Runtime: Display the humidity and temperature;

Failure: The temperature will display "- °", humidity will display "- %". The buzzer sounds intermittently and continuously, press any key to cancel the buzzer.

**b) Time icon:**

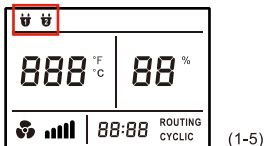
Lights up when the runtime mode and the cycle/standby mode are running and is displayed according to the set time as it gradually decreases.

Runtime Mode: ROUTING Light Shown

Cycle/Standby Mode: CYCLIC Light Shown

**c) Symbol icon module:**

1. ①, ② **Host icon:** Corresponding to No.1 large 4 Pin interface and No.2 large 4 Pin interface. The corresponding icon lights up when inserted, and hides when not inserted.



**1. Temperature Unit Mode:**

Press the **Power/Menu Button** once to enter the temperature unit mode and press the **Up Button** to change the temperature mode between Fahrenheit (°F) and Celsius (°C).

**2. Temperature Adjustment Mode:**

Press the **Power/Menu Button** a second time to enter the temperature adjustment mode and press the **Up Button** to set the desired temperature that the unit will run up to (from 37° - 176° Fahrenheit).

**\*NOTE:** For the unit to begin operation, the set temperature level on the unit must be below the detected room temperature. \*

**3. Humidity Adjustment Mode:**

Press the **Power/Menu Button** a third time to enter the humidity adjustment mode and press the **Up Button** to set the desired humidity level that the unit will run up to (from 1 – 99% Humidity). **\*NOTE:** For the unit to begin operation, the set humidity level on the unit must be below the detected room humidity. \*

**Troubleshooting:**

- a) If you want to reset the ROUTING runtime and CYCLIC standby time, unplug the active power adapter. Wait until the fans have stopped and then plug it back in.
- b) To put the unit into CO (continuous operation) mode, unplug the humidity sensor probe. When the humidity sensor probe is disconnected, the unit will show dashes on the temperature and humidity screen.

## Warranty clause

Upon receipt of the goods, the customer must log in to *www.alorair.com* to fill in the warranty registration form and submit it to **ALORAIR**.

We will receive your purchase and installation information and save it.

If the warranty registration is not sent to us, the warranty period will begin from the date the goods leave the warehouse.

Be sure to record the serial number and installation date.

You will need this information to receive the RA number.

The product has a shelf life of two years.

If warranty service is required, The customer must contact **ALORAIR** Technical Support by email (**sales@alorair.com**) or by calling the local technical service phone number (**1-888-990-7469**), **available Monday through Friday 8:00 am – 5:00 pm PST** to obtain a return authorization (RA number).

When **ALORAIR** receives the equipment (whether in the maintenance center or in the warehouse), **ALORAIR**, it will carry out the initial inspection.

If the warranty is determined to be invalid, the customer must then pay all related maintenance and transportation costs for unit maintenance.

The warranty plan does not cover abuse or misuse of the unit.

This includes physical damage, product immersion, incorrect installation (such as incorrect voltage input), and misuse for any reason other than the intended purpose.

**ALORAIR** shall not be responsible for any indirect loss or incidental damage of any nature caused by the product.

From the date of replacement, new equipment will be provided to the customer during the warranty period of the same year.

After parts are repaired or replaced by **ALORAIR**, the original warranty will continue to apply until the due date.

**IMPORTANT NOTICE:** Keep the item's packaging in case warranty service is required.





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