



# USER'S GUIDE

## **Model: VentirPro-S2 Crawl Space Fan**

Please read this manual carefully before using the product and keep it properly.

DIRECTION: AIR-OUT



Dear users,

Hello! Welcome and thank you for choosing VentirPro-S2 Crawl Space Fan.

VentirPro-S2 Crawl Space Fan, using lattice screen and DC technology to drive and control. The double ball DC motor gives you more than 65000 hours of running time. It will bring you comfortable, safe, energy-saving and intelligent life.

Read the product instructions carefully before installation. These instructions must be consistent with the equipment, do not destroy.

## **Product Description**

The Crawl Space Fan is designed to allow fresh outdoor air to circulate under the house and porch. The high humidity in the crawling space is the main reason for the premature decay of the support column. Joist, floor and crossbeam support. Humidity can promote the growth of fungi and increase the activity of termites. 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 to 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

THERMAL PROBE: ×1

POWER ADAPTER: ×1

WALL ANCHORS: ×4

## Product Technical Parameters

Standard size: 18×9×1.7in

Machine net weight: 4.7 lbs

Rated power: 8.5W

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

## Attention

1. It is forbidden to use this product in places that may lead to water intake from Crawl Space Fan such as outdoors, sprinklers, bathtubs, swimming pools, etc.
2. Use in the correct electricity environment.
3. It is forbidden to disassemble this product by yourself. If you have any questions, please contact the company's after-sales department.
4. Do not run the Crawl Space Fan for a long time. Please unplug the power supply.
5. Clean the surface of the machine, please wipe with a soft wet cloth, do not use friction, 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 house. please turn off the equipment in time to

prevent the equipment 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 can resume operation.

## **Pre-installation Instructions**

Crawl Space 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, electric shock or personal injury. Using this equipment as directed by the manufacturer will significantly reduce these risks. If you have any questions, please contact the ALORAIR manufacturer. Be sure to disconnect the crawling space 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.

## **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

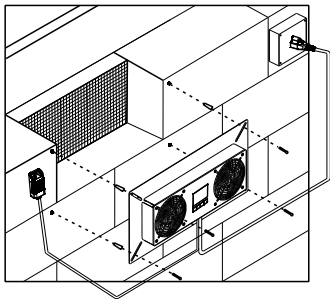
## Position

A Crawl Space Fan is installed in the crawling space behind the existing foundation ventilation opening. The vents should be within three feet of every corner of the building.

**Note:** The Crawl Space Fan must be installed in the climbing space, and the electrical control box and motor 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



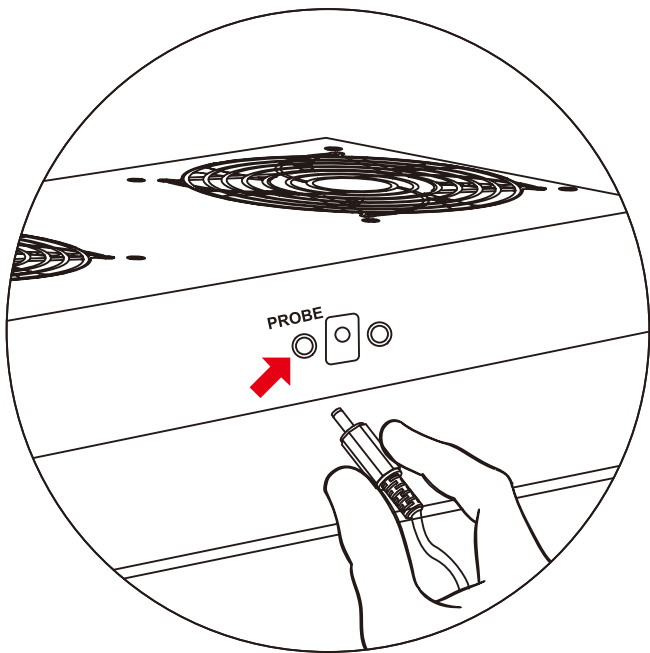
**Energy  
saving**

**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 the plug of the active power adapter into the Jack located at the bottom of the controller.



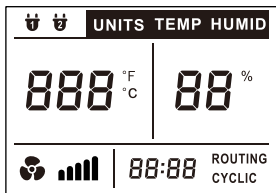


Menu/Switch    Up    Time    Airflow

- (1) **“Menu/Switch”** Button: Press the button 3 seconds for turn on/off unit, each time you press the menu button to adjust the options after starting up;
- (2) **“Up”** Button: Up button, adjust the settings in the options; press this button to increase the value upward;
- (3) **“Time”** Button: Press it to turn on at the first time, press it starts the cycle time mode the second time, press it to turn off in the third time;
- (4) **“Airflow”** Button: Press it to adjust the airflow, the gear from 1-5; press it 5 seconds to start the automatically humidity/temperature adjustment.

## LCD Display:

1. When the fan is powered on but not working: (“Beep” when powered on)
  - a) Enter the following interface after powered on.



## Screen:

### Values on Screen:

Show the fan's gear, the sensor's °F/°C, temperature, humidity  
temperature, temperature, timer, °F/°C.

### Icon including:

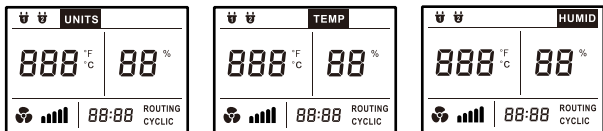
①Host, ②Host;

### Menu:

°F/°C, Temperature Menu, Humidity Menu;

### In Values Menu, Temperature Menu, Humidity Menu:

If there is no button action for 5 seconds, the device will operate according to the set parameters. Choose which menu the icon of which menu is lit (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 strip means a gear, from 1-5.

Failure: The strip disappear (make sure it is connected to power).

The buzzer sounds intermittently and continuously, press any key to cancel the buzzer.



Failure



Runtime: Display the gear strip 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 timing mode and the cycle mode are running, and it is displayed according to the set time and gradually decreases.

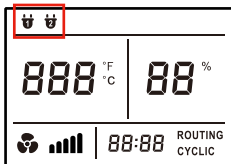
#### 1. Cycle Mode:

Timing Mode: ROUTING Light Up

Cycle Mode: CYCLIC Light Up

### 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.



(1-5)

#### 1. Temperature mode set:

Enter mode set to press the “up” button, change the temperature mode between °F and °C;

#### 2. Temperature Set:

Enter temperature adjustment, press the “up” button to set temperature;

#### 3. Humidity Set:

Enter humidity adjustment, press the “up” button to set humidity.

## 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 at **sales@alorair.com** or local technical service phone number **1-888-990-7469, Monday through Friday (8:00-17:00 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.

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

Warranty plan does not cover abuse or misuse.

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.



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