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Dallas, Texas, USA

# OPERATION INSTRUCTIONS

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## V0STAT52 Wireless Indoor Unit Controller

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### CONTROLS

507459-04  
05/2018

**This manual must be left with the owner for future reference.**

### **▲ IMPORTANT**

**Frequent changes to operating mode may cause system malfunction. Allow at least one minute between mode changes to allow the system to stabilize.**

### **Shipping and Packing List**

**Package 1 of 1 contains;**  
1 – Wireless Controller  
2 – AAA batteries  
1 – Remote controller holder with mounting screw

## General

The V0STAT52 is a wireless local controller for VRF Heat Pump and Heat Recovery indoor units.

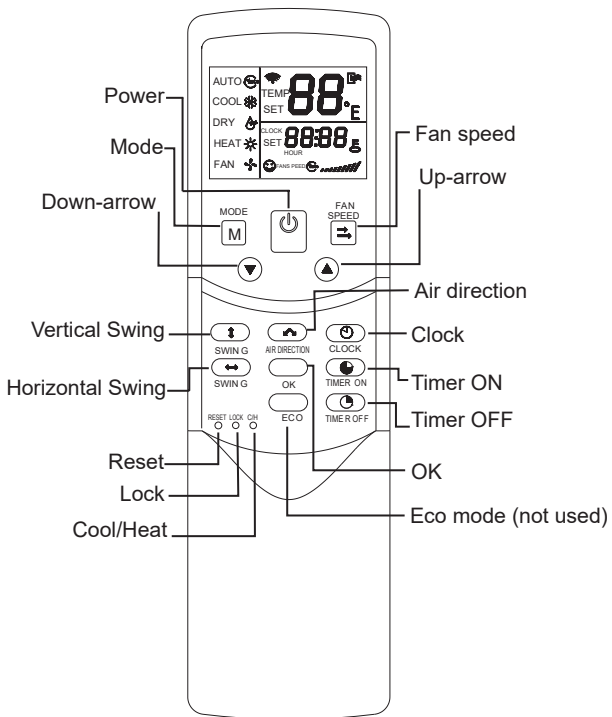
## Requirements

- Point the wireless remote controller directly at the indoor unit it controls. 36 ft. (11 m) maximum distance.
- **Wireless remote control requires direct line of sight to indoor unit.**
- Do not get wireless remote controller wet or submerge in liquid.
- Avoid placing wireless remote controller in direct sunlight or high temperature locations.
- Always use new AAA batteries.
- Remove the batteries if the wireless remote controller will not be used for a long period of time.
- Replace the batteries if the indoor unit does not beep when settings are changed using the controller.
- Do not attempt to operate any other devices using this remote controller.

## Specifications

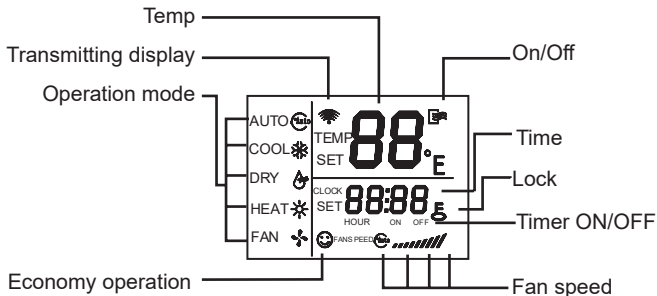
<b>Rated voltage</b>	3.0 VDC (2 AAA batteries)
<b>Min voltage for sending signal to CPU</b>	2.4 VDC
<b>Effective transmitting distance</b>	26-36 ft (8 - 11 m)
<b>Operation conditions</b>	23°F - 140°F

## Function Buttons



- **Power button.** Press to turn the indoor unit on or off.
- **Mode button.** Press to scroll through the operation modes: Auto → Cool → Dry → Heat → Fan. **NOTE - Auto mode not available in all systems.**
- **Down-arrow.** Press to decrease the temperature setpoint or scroll through settings options.
- **Vertical Swing button.** Press once to initiate louver up & down oscillation. Press again to stop louver oscillation. Louvers remain in place where stopped. Not available in all indoor unit models.
- **Horizontal Swing button.** Press once to initiate louver left & right oscillation. Press again to stop louver oscillation. Louvers remain in place where stopped. Not available in all indoor unit models.
- **Reset button.** Using a blunt pointed device (paper clip), press to cancel current settings and reset remote controller to factory settings.
- **Lock button.** Using a blunt pointed device (paper clip), press to lock or unlock the current setting.
- **Cool/heat button.** Using a blunt pointed device (paper clip), press to shift between Cool only and Cool & Heat modes. Default is Cool & Heat.
- **Fan speed.** Press to scroll through the fan speeds: Low → Med → High **NOTE - Auto fan speed not available for all systems.**
- **Up-arrow button.** Press to increase the temperature setpoint or to scroll through settings options.
- **Air direction button.** Press to move louvers up & down in 6 degree increments. Louvers remain in place where stopped. Not available in all indoor unit models.
- **Clock button.** Press to set clock time.
- **Timer ON button.** Press to set the number of hours of delay before the indoor unit to begins operation.
- **Timer OFF button.** Press to set the number of hours of delay before the indoor unit stops operation.
- **OK button.** Press to confirm setting.
- **Eco mode button.** Not used.

## Display



- **Temp.** Displays the setpoint temperature. Adjust with up & down-arrow buttons. No display when unit is in Fan mode.
- **Transmitting display.** Icon blinks once when a signal is sent from the wireless remote controller.
- **Running mode.** Displays the selected mode.
- **Economy operation.** Not used.
- **On/Off.** Icon displays to indicate the last command sent by the Power button.
- **Time.** Displays the current time.
- **Lock.** Icon displays when Lock button is pressed.
- **Timer ON/OFF.** Icon lights up to indicate whether the timer is ON or OFF.
- **Fan speed.** Displays the current fan speed.

## Operation Instructions

### Batteries

1. Grasp the controller cover by its sides and slide the cover down to remove.
2. Place batteries into battery compartment.
3. Replace cover onto controller.

### Auto mode

System will automatically switch between heating and cooling depending on the temperature sensed at the controller.

**NOTE** - Auto mode not available in all systems.

### Cool/Heat/Fan mode

1. Press the Mode button to select Cool, Heat, or Fan.
2. Adjust the temperature setpoint using up and down-arrow buttons for Cool or Heat modes.

**NOTE** - Temperature setpoint cannot be adjusted when in Fan mode.

3. Press the Fan speed button to select Auto, Low, Med, or High fan speed.

**NOTE** - Auto fan speed not available for all systems.

4. Press the Power button to turn on indoor unit, the LED on the indoor unit displays.

### Dry mode

1. Press the Power button, an LED light on the indoor unit displays.
2. Press the Mode button to select Dry.
3. Adjust the temperature setpoint using up and down-arrow buttons.

**NOTE** - Fan speed is unavailable when in Dry mode.

### Timer operation

Timer ON and Timer Off are used to turn on and turn off the indoor unit at selected intervals.

### Timer ON operation

1. Press the Timer ON button. TIMER displays. HOUR and ON lights up.
2. Press the Timer ON button again and use the up-arrow and down-arrow buttons to set the number of hours of delay before the indoor unit begins operation. The time will increase in half hour increments until 10 hours, then the increment becomes 1 hour.

### Timer OFF operation

1. Press the Timer OFF button. TIMER displays. HOUR and OFF lights up.

2. Press the Timer OFF button again and use the up-arrow and down-arrow buttons to set the number of hours of delay before the indoor unit stops operation. The time will increase in half hour increments until 10 hours, then the increment becomes 1 hour.

### **Modify Timer ON/OFF settings**

1. Press either the Timer ON button or the Timer OFF button to modify that setting.
2. Use the up-arrow and down-arrow buttons to change the timed operation intervals.
3. Set the timer to 0.0 to turn off timed operation.

### **Set Clock Time**

1. Press and hold the Clock button for 5 seconds, the Hour indicator will display.
2. Press the up-arrow and down-arrow buttons to select hour.
3. Press the Clock button again, the Minute indicator displays.
4. Press the up-arrow and down-arrow buttons to select minutes.
5. Press the OK button to confirm time.

## Temperature Sensing

### Indoor Unit

Default sensor. All indoor units have a temperature sensor that senses the zone temperature and controls operation of the indoor unit within the limits of the system.

### Remote Sensor



Field installed accessory. Used to relocate temperature sensor from indoor unit to remote location.

## Temperature Display

The controller is factory-set to display temperature in degrees Fahrenheit.

To change the controller to display degrees Celsius:

1. Take off the back cover to gain access to the control board inside the controller.
2. Adjust SW1 dip switch on the board according to the table below.

	1	2		
SW1	ON	OFF	ON 	Fahrenheit display
	OFF	ON	ON 	Celsius display

**NOTE** - Dip switch handle location is shown as a solid black box in the tables above.



**NOTE** - The indoor unit temperature unit display must be set at the same time as the controller. Indoor units default to display temperatures in °F. To change the indoor unit temperature unit display, press and hold the Manual button on the unit receiver<sup>1</sup> for 5 to 15 seconds until the display changes to show the desired temperature unit.

<sup>1</sup> For VWM\*024 and larger wall-mounted indoor units only, the button is located on the unit's main control board and labeled SW3.

Troubleshooting	
Digital Tube Display	Content
F0	Wired remote controller and indoor unit communication failure
E1	Communication error between indoor and outdoor units
E2	Indoor ambient temperature sensor (T1) error
E3	Middle evaporator temperature sensor (T2) error
E4	Evaporator outlet temperature sensor (T2B) error
EE	Water level alarm error
E7	Indoor Unit EEPROM error
E0	Mode conflict error
Ed	Outdoor units error
FE	IDU doesn't have address when it is first turned on

## Technical Support

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