Honeywell

User Manual

WS3B2WB/U
WS3E2WB/U Wall Module

Quick Start Guide

Rev. B

Wall Module Appearance

Wall Module Operation Guide

⏻ ..... Power

- Press ⏻ to power on/off the product.
- Keep pressing ⏻ for 3 seconds, to enter into economy mode (economy mode activation value must be 3.), and press any key to quit out

↺ ..... Operating Mode

☀ Heating   ❄ Cooling   ✱ Ventilating

∧∨ ..... Temperature Setting

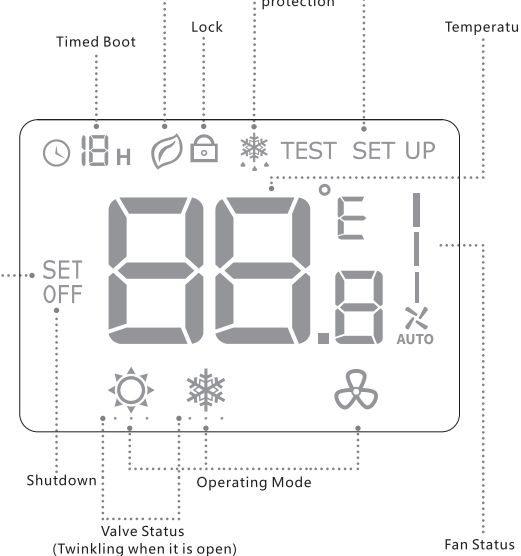Under ☀ ❄ mode, Press ∧ or ∨ to set temperature

Keep pressing ∧ and ∨ for 5 seconds to lock/unlock the panel keys.

✱ ..... Switch Fan Speed

Auto   Low   Medium   High

Keep pressing ✱ for 3 seconds to enter into timed shutdown setting. Press ∧ ∨ to adjust, then press ✱ to confirm.

Wall Module Display

Timed Boot — Lock — Supercooled protection — Installation Setup — Temperature

TEST SET UP

SET OFF

Shutdown — Operating Mode

Set — Valve Status (Twinkling when it is open) — Fan Status

AUTO

Troubleshooting

Abnormal	Solution
☀ Doesn't work	· Press ↺ to set the operating mode to ☀ (heating mode). · To check if the setting temperature is higher than the current room temperature. · To check if the valve status indicator is twinkling. · 5 minutes later, please check if the heating system is responsive.
❄ Doesn't work	· Press ↺ to set the operating mode to ❄ (cooling mode). · To check if the setting temperature is higher than the current room temperature. · To check if the valve status indicator is twinkling. · 5 minutes later, please check if the Cooling system is responsive.
✱ Doesn't work	· To check if the key is locked. · To check if the mode is power OFF.
∧∨ Doesn't work	· To check if the key is locked · To check if the mode is ✱ · To check if the mode is power OFF.

Installation Instructions

The product should be installed by the skilled technical person.

- Please read this manual carefully before installation. Improper installation will lead to damage.
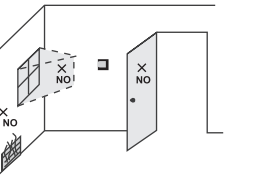- Please ensure the product's power target to requirements for usage.
- Please do the normal testing for usage after installation.

Note: Make sure to cut off the power supply before installation, maintain or disassembling to be protected from electric shock at all times.

The interpretation of this manual is owned by Honeywell Inc. All we reserve the described product's improvements in this manual without the right to prior notice to improve.

Installation

- It is suitable for the installation that wall mounted into standard 86 junction box with 75*75*50mm.
- The standard height to install this product is 1.5 meter from floor with good ventilation.

Do not install it in the following locations

- Bad ventilation area like the corner, behind the door, etc.
- Close to heating or cooling pipe.
- Close to the area with sunshine or heat sources.
- Other indoor area with too low/high temperature, e.g the wall that contacted with the outside directly.

Wiring and Installation

Please follow up below drawing to do wiring and ensure the connection is reliable.
Ensure to tight the terminal with screws to prevent the wire falling off.

1

2

3

4

Hazardous Substances and Content of the Product:

Parts	Hazardous Substances					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Plastic Shell	O	O	O	O	O	O
Internal Circuit Board	×	O	O	O	O	O

This form is based on SJ/T11364 rule.
O: The hazardous substances content in the relative component part is within the limitation of GB/T 26572 standard.
×: There is at least a homogeneous material's hazardous substances content in the relative component part has been beyond the limitation of GB/T 26572 standard.
Other parts not listed in the table do not contain any restricted substances that exceed the limit requirements.

WEEE Directive 2012/19 / EC Waste Electrical and Electronic Equipment Directive

At the end of the product life dispose of the packaging and product in a corresponding recycling center. Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

Terminal Description

Symbol	Description
N	Neutral wire
vC	Heating/Cooling valve off
vO	Heating/Cooling valve on
L	Live wire
FH	High speed fan
FM	Medium speed fan
FL	Low speed fan
SC	
RSB	Room key card
RS	Sensor

Input voltage: 100~240VAC 50/60Hz (24VAC 50/60Hz)

Notification:

Ensure the physical security of the device, only authorized personnel can access the device and the bus.

Ensure the safety of device deployment, operation and maintenance management.
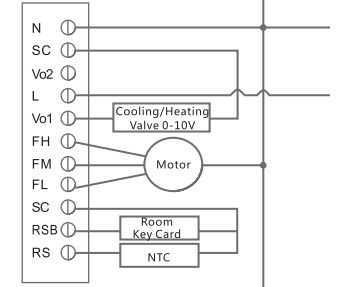
Ensure the device is on the isolated internal network.

For any security risks, please contact https://www.honeywell.com/en-us/product-security

Two-pipe System Application
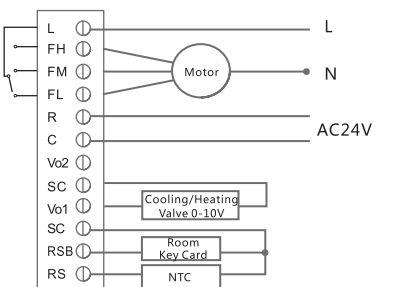
Wiring 1
Two-wired 220V
Motorized valve wiring

Wiring 2
Two-wired 24V
Motorized valve wiring

Installation Setting

5 seconds — Hold and press "⟳" and "⌇" key at same time for 5s when it is "OFF" mode to enter into the installation setting. (Press "⟳" key to quit out)

Enter into advanced menu to do parameters configuration by keepingpressing mode key and fan speed key for more than 5 seconds in the case of shutdown. The "SET UP" icon and menu code 01-08 will be displayed on the interface. In this status, you can feel free to press up/downto select the menu code, and press mode keyto enter into the relative menu interface, then "SET UP" icon will be disappeared but "SET" icon be displayed. At this time, you can press the up/downto set the parameters. Finally, please press mode keyto take it effect and then quite out.

If there is no operation within 10 minutes in configuration, the system will quit out automatically without save any setting.

Index	Description	Option ⋀ ⋁
01	Temperature Compensation (default 0°C)	When it is Celsius, the setting range will be from -9°C to 9°C with accuracy 0.5 °C; When it is Fahrenheit, the setting range will be from -16°F to 16°F with accuracy 1°F;
02	Fahrenheit /Celsius (default °C)	°C: Celsius, °F: Fahrenheit

Index	Description	Option ⋀ ⋁
03	Home page default temperature display (default 01)	01: The room temperature is displayed by default (If will display setting temperature when you press up/ down in this state, and quit out after 5 seconds. 02: The setting temperature is displayed by default (It will display room temperature when you press up /down in this state, and quit out after 5 seconds.
04	Fan coil control mode setting after reaching to the setting temperature (default 01)	01: Turn off the fan coil after reaching to the setting temperature 02: Fan coil keep working after reaching to the setting temperature.
05	Frost prevent setting (default 02)	02: Enable frost prevent feature 03: Disable frost prevent feature
06	Setting the upper temperature limit (default 30 °C)	When it is Celsius, the setting range will be from 10°C to 30°C with accuracy 0.5 °C; When it is Fahrenheit, the setting range will be from 50°F to 86°F with accuracy 1°F;

Index	Description	Option ⋀ ⋁
07	Set the lower temperature limit (default 10 ° C)	When it is Celsius, the setting range will be from 10°C to 30°C with accuracy 0.5 °C; When it is Fahrenheit, the setting range will be from 50°F to 86°F with accuracy 1°F;
08	Operating mode setting (default 05)	01: Only cooling mode is available. 02: Only heating mode is available. 03: Only cooling and ventilation modes are available. 04: Only heating and ventilation modes are available. 05: Cooling, heating and ventilation modes are available.
10	Enable economy mode (default 03)	01: Room key card normally open 02: Room key card normally closed 03: Button
11	Heating temperature setting in economy mode (default is 18°C or 64°F)	Range: 10~21°C with accuracy 0.5°C / 50~70°F with accuracy 1°F

Index	Description	Option ⋀ ⋁
12	Cooling temperature setting in economy mode (default is 26°C or 79°F)	Range: 22~30°C with accuracy 0.5°C / 72-86°F with accuracy 1°F
13	Fan speed setting in economy mode (default 02)	01: Low speed 02: Auto speed
14	External / Internal sensor (default 02)	01: External sensor 02: Internal sensor