Zone thermostat for 2-pipe fancoil with 0-10 Vdc fan regulation and valve management
User manual

Thank you for choosing the zone thermostat for 2-pipe fan coils with 0-10 Vdc fan regulation and valve management. Z-Wave certified, the device is compatible with the gateways of the MyVirtuoso Home home automation system.

Zone thermostat for 2-pipe fancoil with 0-10 Vdc fan regulation and valve management
User manual

Description and Technical features

The zone thermostat for fan coils is a Z-Wave device for controlling the internal temperature. This device is designed to be applied to a 2-pipe fan coil system. It can detect the ambient temperature, the local time and automatically controls the fan speed based on the temperature difference. This product can be included and used in any Z-Wave network with other Z-Wave certified devices.
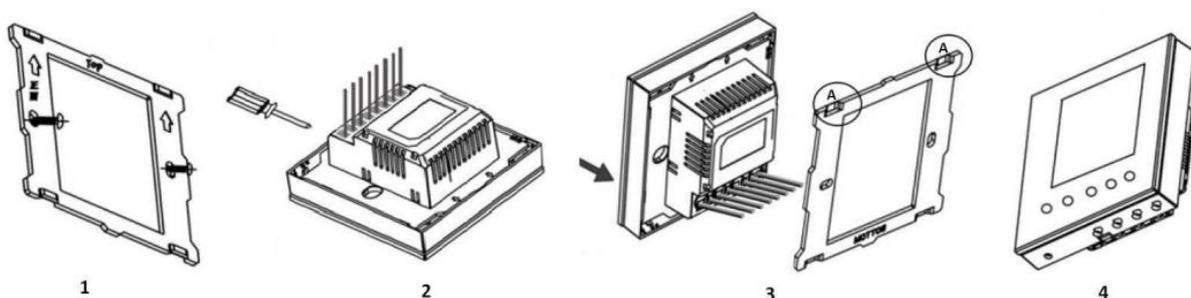
Features

- Power supply: 230V, 50 / 60HZ
- Resistive load: ⩽ 3A
- Self-consumption: <1W
- Fan regulation: 0-10 Vdc
- Temperature sensor: NTC 10K
- Display accuracy: 0.1 ° C
- Work environment: 0 ∼ 55 °C; <95% RH (not condensed)
- Temperature setting: 5 ∼ 35 °C (adjustable)
- Dimension: 86 * 86 * 42mm
- Electrical box compatibility: 86 * 86
- Z-Wave frequency: 868.42 MHz (EU)

Package content

- Zone thermostat for fan coils
- Use manual

Installation

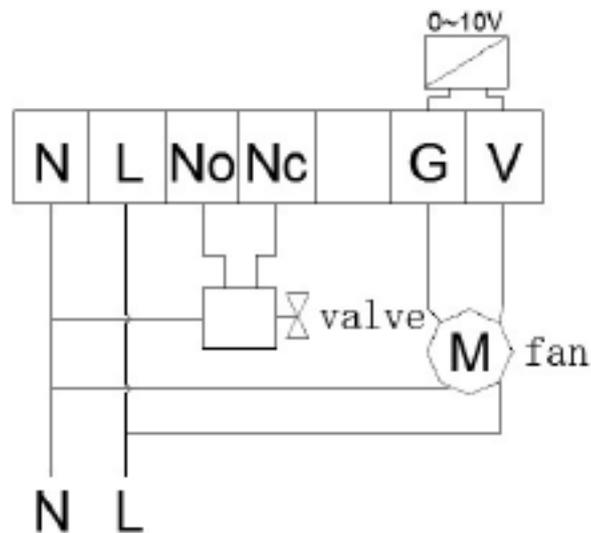To install the device correctly, follow the instructions below:

Zone thermostat for 2-pipe fancoil with 0-10 Vdc fan regulation and valve management
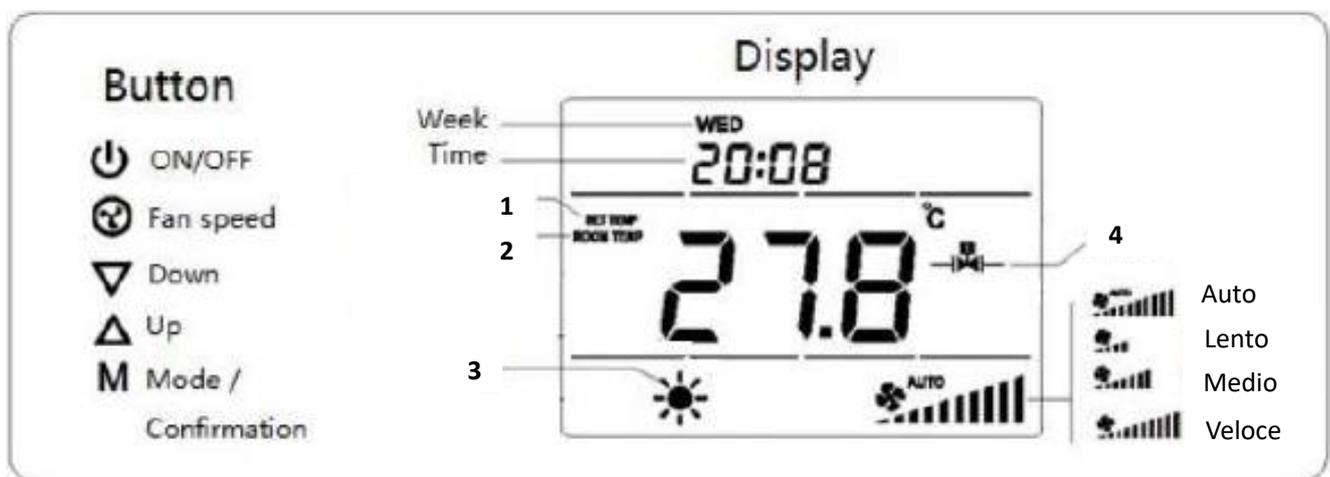
User manual

1. Remove the steel frame from the device and fix it to the junction box with two screws.
2. Insert all wires into the appropriate terminals and tighten the screws. The wiring diagram is shown below.
3. Attach the wired device to points "A" of the steel frame as shown in the image, then push it into the junction box.
4. Check if the device is secure and switch on.

Wiring Diagram

Buttons and Display

1. **Temperature settings**
2. **Room temperature**
3. **Heating**
4. **Valve**

Zone thermostat for 2-pipe fancoil with 0-10 Vdc fan regulation and valve management
User manual

Operations

....

ON/OFF

To turn the device on and off, simply press the ON / OFF button ⏻ .

Local time setting

Press and hold the **M** button to access the settings menu. Select the local time and press **M** to move from Week to Hour to Minute, then press ▽ or △ to set the parameters of the flashing item. Press **M** or wait 15 seconds to save the settings.

Temperature setting

Touch ▽ or △ to set the local temperature value. Press and hold the buttons can be set continuously. Press **M** or wait 15 seconds to save and return to room temperature.

Mode settings

Tap **M** to enter working mode setting, the current mode flashes. Press ▽ or △ to switch between Cooling ❄ , Heating ☀ and Ventilation modes ✷ , then press **M** or wait 15 seconds to confirm your choice.

Ventilation mode settings

In normal view, press 🌀 to switch between fan speeds: "Low, Medium, High, Auto". Then press **M**, or wait 15s to confirm the choice.

- **Manual fan control**

If you decide to manually set the fan speed, the device:

- **Heating mode**
  1. It will close the valve and stop the ventilation if the room temperature is ≥ the set one.
  2. It will open the valve and turn on the ventilation if the ambient temperature is ≤ the set one - 1 ° C.

- **Automatic fan control**

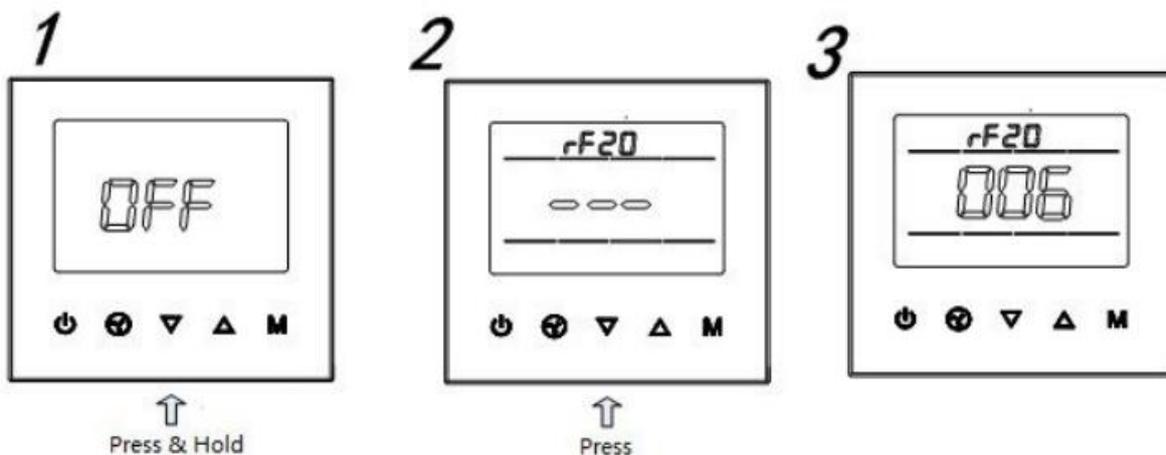| Heating Mode	1. Room temperature ≥ set temperature, the fan stops
	2. Room temperature ≤ set temperature -1 ° C, the fan turns on in slow speed.
	3. Room temperature ≤ set temperature -2 ° C, the fan turns on in medium speed.

4. Room temperature ≤ set temperature -3 ° C, the fan turns on in fast speed.

Note: the thermostat will operate on, off and speed of the fans only if they are open.

Inclusion

Before starting the procedure for including the device in a Z-Wave network, check that it is turned on, then make sure that the MyVirtuoso Home gateway is in inclusion mode (refer to the relevant manual available on the website www.myvirtuosohome.com/downloads).

1. After turning off the device, press and hold ▽ to access the inclusion interface. The display will show "- - - ".
2. Press once ▽ and the device will enter into ID search mode. The inclusion will be successful if the ID is displayed on the screen.

Note: after inclusion, the device must be turned off and on again.

Exclusion

Before starting the procedure for excluding the device in a Z-Wave network, check that it is turned on, then make sure that the MyVirtuoso Home gateway is in exclusion mode (refer to the relevant manual available on the website www.myvirtuosohome.com/downloads).

1. After turning off the device, press and hold ▽ to access the inclusion interface. The display will show "- - - ".
2. Press once ▽ and the device will enter into ID search mode. The exclusion will be successful if the ID is displayed on the screen.

Zone thermostat for 2-pipe fancoil with 0-10 Vdc fan regulation and valve management
User manual

Disposal

Do not dispose of electrical appliances in mixed urban waste, use separate collection services. Contact the local council for information about available collection systems. If electrical appliances are disposed of in landfills or in inappropriate places, hazardous substances can escape into groundwater and enter the food chain, damaging health and well-being. When replacing old appliances with new ones, the retailer is legally obliged to accept the old appliance for free disposal.

Warranty and customer support

Visit our website: **http://www.ecodhome.com/acquista/garanzia-eriparazioni.html**

If you encounter technical problems or malfunctions, visit the site:
http://helpdesk.smartdhome.com/users/register.aspx

After a short registration you can open a ticket online, also attaching images. One of our technicians will answer you as soon as possible.

CE

SmartDHOME