

TTDZ2 Digital Thermostatic Head

User Manual

Thank you for choosing this TTDZ2 digital thermostatic head for radiator control. This device is a Z-Wave enable device and is compatible with any Z-Wave enabled network.



www.myvirtuosohome.com
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SmartDHOME

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User Manual

Description & Technical Features

The TTDZ2 digital thermostatic head has been designed to allow the customer to monitor and control the temperature delivered by their radiators. Activating or deactivating zones according to actual needs saves energy.

Features:

- Protocol: Z-Wave.
- Frequency range: 868.42 MHz.
- Batteries: 2x1.5V AA alkaline, class III.
- Battery life: Up to 2 years.
- Display Type: LC backlit display.
- Operating temperature: -10 ~ 40°C.
- Temperature range: 8 – 28 °C.
- Temperature measurement unit: °C/°F.
- Weight (batteries included): 260g.

Package contents





- 1x Digital Thermostatic Head.
- 1x Danfoss RA adapter.
- 1x Danfoss RAV adapter.
- 1x Danfoss RAVL adapter.
- User manual.

Description Key

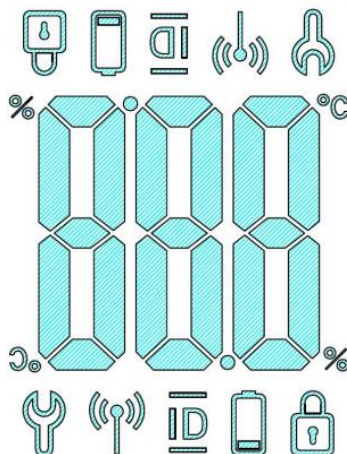
-	Press once	Reduces the temperature by 0.5 ° C.
-	Hold down	Decreases the temperature by 0.5 ° C increments until required temperature is reached.
+	Press once	Increases the temperature by 0.5 ° C.



TTDZ2 Digital Thermostatic Head

User Manual

+	Hold down	Increases the temperature by 0.5 ° C increments until required temperature is reached.
+ <i>and</i> -	Press both simultaneously for 3 seconds	Enables / disables the "Child Protection" mode.
	Press once	<ul style="list-style-type: none"> • Action Confirmation Displayed on the Display • Enables / disables "Fast heating" mode.
	Press for 3 seconds	Shows the Z-Wave node ID.
	Press for 5 seconds	Enters "Exclusion" mode.
	Press when TTDZ2 is OFF	Allows you to return to factory settings.






Screen Description



	A mechanical operation is in progress.
	Shows the status of the connection: if the segment is visible, the link works correctly. Otherwise, the connection was lost.

TTDZ2 Digital Thermostatic Head

User Manual


	It lights when the display shows the Z-Wave node ID.
	Visible when the battery is below 15% charge.
	"Child protection" mode is active.
	Visible if a precise temperature has been entered.
	Visible instead of "° C" if TTDZ2 is set to "Direct Control" mode.

Installation

Before you can mount the head for the first time, you will need to include it.

Inclusion


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

1. The display will show "INC" and the green LED will flash while waiting for confirmation from the user.
2. Once the inclusion is started, the header display will show a countdown within which the operation is to be completed.
3. If inclusion is to be successful, the header display will display the Z-Wave node ID for 5 seconds, then "INS" and the icon  will appear: the head is ready to be mounted.
4. If Inclusion Fails, TTDZ display will show "ERR" and the LED will remain red. Press the center key to retry the inclusion process.
5. Once the head is included into MyVirtuoso Home, it can be mounted onto the radiator valve.

TTDZ2 Digital Thermostatic Head


User Manual

Mounting

1. The display will show the "PRP" message until the mounting position is achieved, after which "INS" and the icon  appear. The LED will blink green, pending confirmation by the user.
2. If necessary, locate an appropriate adapter and mount it onto the valve.
3. Place the TTDZ2 on the ring and screw it until it reaches the correct position. For the duration of the process, the message "INS" will remain visible on the display.
4. If the installation is successful, the LED will remain green for 5 seconds, while the display will show the default set temperature.
5. If the assembly fails, the display will show "ER1", the LED will remain red and a notification will be sent to the APP.

Exclusion

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

1. Hold down the key  for 5 seconds. The display will show "LEA".
2. If the exclusion is successful, the display will show the number 0 as the Z-Wave node ID and the LED will remain green for 5 seconds.
3. In the exclusion phase, the display will show the Z-Wave node ID and the LED will remain red for 5 seconds.

Reset

1. Remove the batteries from the head and press the button. Holding it down, reinsert the batteries: The display will now show "RES". Release the key: The LED will blink green waiting for confirmation from the user.

TTDZ2 Digital Thermostatic Head

User Manual

2. Press the button again: the display will show "DEF" and the LED will remain green for 5 seconds, indicating the success of the reset.

Mode

The TTDZ2 digital thermostatic head can be used in several modes, which can be set up locally and / or through MyVirtuoso Home APP.

Off mode

To set it locally, press the key **—** until the display shows "OFF". The temperature is now fixed at 6.0 ° C.

This mode is designed for when the heating and opening of the valves is not necessary.

Comfort mode

Can be set by APP, via temperature control bar, and locally, by selecting the desired temperature using the **+** and **—** keys. After choosing a temperature, it will take 5 seconds before it is registered as the new desired temperature.


The minimum setting value is 8.0 ° C, while the maximum value is 28 ° C. If you try to overcome these limits, the temperature will activate the off or fast heating modes, respectively.

Power saving mode

This mode is only available through the MyVirtuoso Home APP. A preset temperature will be used by the user (we recommend setting it 4 ° C lower than the one used for comfort mode).

This mode can be used if the room is not used for a few hours (during short empty periods or at night).

Fast heating mode

To set it locally, press the key  (alternatively, it can be activated by pressing the key **+** while the display shows "ON"). The valve will open for 5 minutes.

This mode is designed to quickly increase room temperature.

Child protection mode

Hold down the **+** and **—** keys simultaneously for 3 seconds to activate / deactivate the child protection mode.

When activated, the display will show the icon .

TTDZ2 Digital Thermostatic Head

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.



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