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TECH

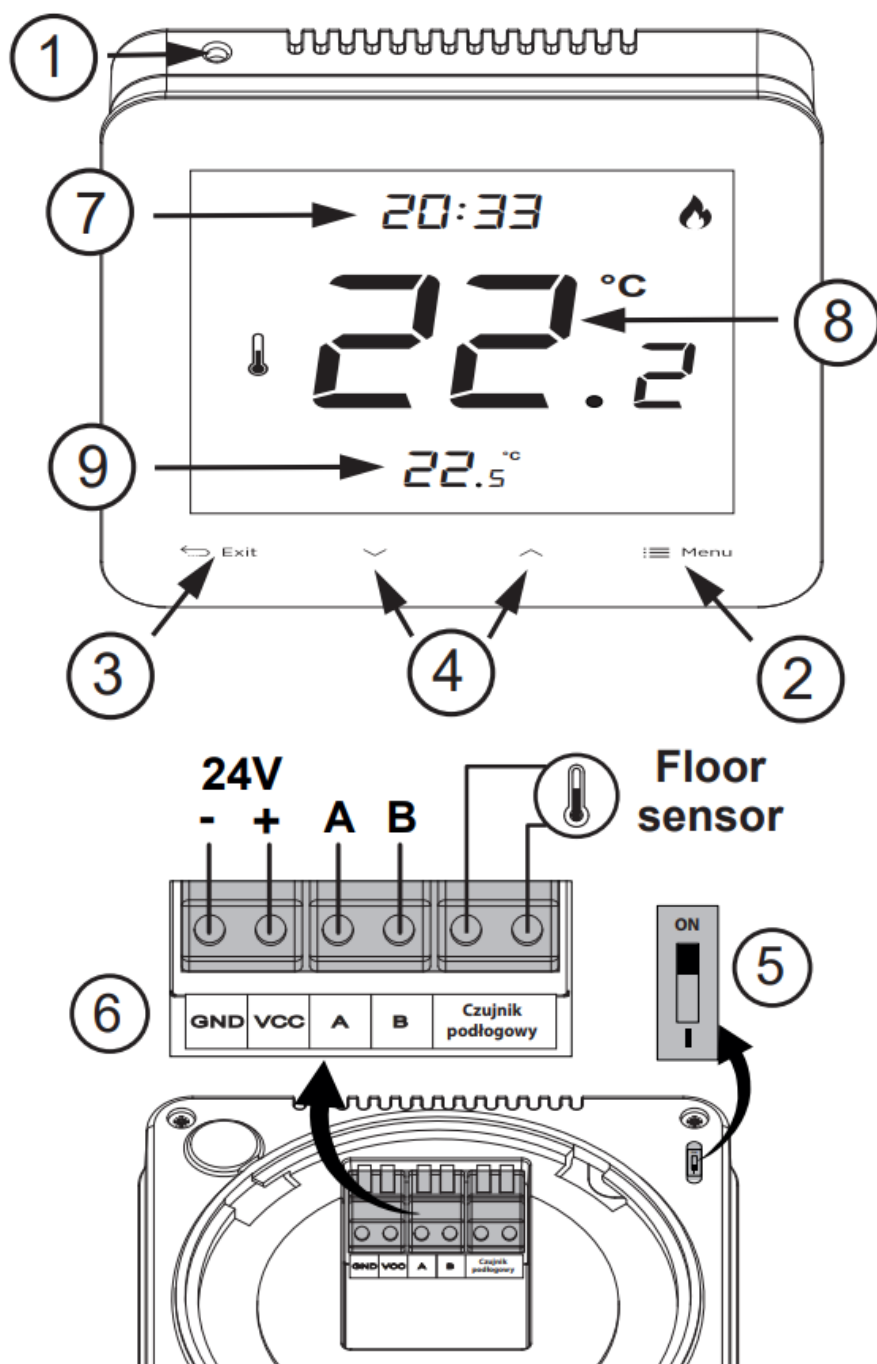
TECH R-S3 Sinum Thermostat Instruction Manual



Specifications

- Power supply 24V DC $\pm 10\%$

- Max. power consumption 0,2W
- Humidity measurement range 10 – 95%
- Room temperature setting range 5 ÷ 35°C



The R-S3 room regulator is equipped with a temperature and air humidity sensor. Additionally, a floor sensor can be connected to the regulator. Current measurements are displayed on the device and sent to the Sinum Central device, where they can be freely used to create various automations. Communication with the Sinum Central device, is done by wire. The regulator can be mounted directly on the wall using the back cover.

IMPORTANT! In situations where the transmission line is long or communication

problems occur, termination may be required. In regulators equipped with a switch 5 , set it to the ON position in the last regulator on the line, and in position 1 in the remaining regulators. In regulators without a switch, a 120 ohm resistor should be used connected between signals A and B at the end of the line.

Description

1. Registration button
2. Menu button
3. Return button
4. Navigation buttons
5. Terminating resistor
6. SBUS communication connector
7. Actual time
8. Actual temperature
9. Pre-set temperature

How to register the device in the sinum system

The device should be connected to the Sinum central device using the SBUS connector 6 , and then enter the address of the Sinum central device in the browser and log in to the device. In the main panel, click the Settings > Devices > SBUS devices > + > Add device. Then briefly press the registration button 1 on the device. After a properly completed registration process, an appropriate message will appear on the screen. Additionally, the user can name the device and assign it to a specific room. INFO: When registering the regulator, the humidity sensor and floor sensor (if it is connected) will also be registered automatically.







How to identify the device in the Sinum system

To identify the device in the Sinum Central, activate the Identification Mode in the Settings > Devices > SBUS Devices > + > Identification Mode tab and hold the registration button on the device for 3-4 seconds. The device used will be highlighted on the screen.

Hold down the Menu button until appears option. Change options with and buttons, confirm with Menu button. Options available:

- temperature sensor calibration,
- factory reset,
- device registration,
- software information.

Operation

- Heating/cooling control is possible after assigning the controller in the Sinum Central device to a virtual thermostat. On the display may appear:
 -  icon (cooling mode) – the need for cooling
 -  icon (heating mode) – the need for heating
 - – no icon – no need for heating/cooling
- Changing the preset temperature with the , , buttons and confirming with the Menu button. The set temperature will be permanent. If the regulator is assigned to a virtual thermostat, after changing the temperature, use the ,  button to specify the time range of the set temperature [0 ÷ 24h, Con (permanently) or Off (inactive change)], confirm with the Menu button .
- Button lock – pressing the Menu button will activate the function ; use the or to select „yes” or „no” (automatic lock on/off). Confirm with the Menu button or wait approx. 5 sec. Holding and simultaneously until the padlock icon disappears unlocks the buttons.

EXIT and MENU button functions:

- **Pressing EXIT:**
 - change of the displayed parameter: current temperature, air humidity, floor temperature (optional) exit from the menu
- **EXIT hold:**
 - manual control off
- **Pressing MENU:**

- The button lock option is displayed next menu function confirmation of settings

- **Holding MENU:**

- Enter the menu

Notes

TECH Controllers is not responsible for any damages resulting from improper use of the system. The manufacturer reserves the right to improve devices, update software and related documentation. The graphics are provided for illustration purposes only and may differ slightly from the actual look. The diagrams serve as examples. All changes are updated on an ongoing basis on the manufacturer's website.

Before using the device for the first time, read the following regulations carefully. Not obeying these instructions may lead to personal injuries or controller damage. The device should be installed by a qualified person. It is not intended to be operated by children. It is a live electrical device. Make sure the device is disconnected from the mains before performing any activities involving the power supply (plugging cables, installing the device etc.). The device is not water resistant.



■ The product may not be disposed of to household waste containers. The user is obliged to transfer their used equipment to a collection point where all electric and electronic components will be recycled.

EU Declaration of conformity

Tech Sterowniki II Sp. z o.o. , ul. Biała Droga 34, Wieprz (34-122) Hereby, we declare under our sole responsibility that the room regulator R-S3 is compliant with Directive :

- 2014/35/UE
- 2014/30/UE
- 2009/125/WE
- 2017/2102/UE

For compliance assessment, harmonized standards were used:

- PN-EN IEC 60730-2-9:2019-06

- PN-EN 60730-1:2016-10
- EN IEC 63000:2018 RoHS

Wieprz, 01.08.2023

Paweł Jura

Janusz Master

Prezesa firmy

The full text of the EU declaration of conformity and the user manual are available after scanning the



QR code or at www.tech-controllers.com/manuals

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FAQ's

How do I connect a floor sensor to the regulator?

Connect the floor sensor to terminals A and B on the regulator. Ensure proper installation for accurate readings.

How can I mount the regulator?

The regulator can be mounted directly on the wall using the provided back cover for easy installation.

Documents / Resources



[TECH R-S3 Sinum Thermostat \[pdf\]](#) Instruction Manual

20, 33, R-S3 Sinum Thermostat, R-S3, Sinum Thermostat, Thermostat

References

- [User Manual](#)

📎 20-, 33, R-S3, R-S3 Sinum Thermostat, Sinum Thermostat, TECH,

📁 TECH Thermostat

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