Manuals+ — User Manuals Simplified.

TECH R-S3 Room Regulator Instruction Manual

Contents

TECH R-S3 Room Regulator

Product Information

The R-S3 room regulator is a device equipped with a temperature and air humidity sensor. It also has the capability to connect to a floor sensor. The regulator displays current measurements and sends them to the Sinum Central device for further use in automation. Communication between the regulator and the Sinum Central device is done through a wired connection. The regulator is designed to be mounted on an electrical box with a diameter of 60 mm. Alternatively, it can be directly mounted on the wall using the back cover.

Product Usage Instructions

1. To identify the device in the Sinum Central system, activate the Identification Mode in the Settings > Devices > SBUS Devices section. Hold down the pairing button on the device for 3-4 seconds. The corresponding device will be highlighted on the screen.
2. To access the menu, press and hold the Menu button until it appears on the display.
3. Use the up and down buttons to navigate through the options and the Menu button to confirm your selection. Available options include temperature sensor calibration, device registration, and software version information.
4. The Sinum virtual thermostat can be controlled using the regulator. The display may show icons indicating cooling or heating needs, or no icon if neither is required.
5. To change the desired temperature, use the up and down buttons. Press the Menu button to confirm the new temperature. The desired temperature will remain constant.
6. To set a time range for the desired temperature, use the up and down buttons to select "yes" or "no" for automatic lock. Confirm your selection with the Menu button or wait for approximately 5 seconds.
7. Simultaneously holding down the up and down buttons unlocks them.
8. The position of the regulator on the transmission line with the Sinum Central device determines the switch termination position. Set it to "ON" if the regulator is at the end of the line or to "1" if it is in the middle.

Technical Specifications
**Note:** The following technical specifications are not provided in the text extract.


Notes:
Note: The declaration of EU conformity and contact information for customer support and service are not provided in the text extract.

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 is mounted to an electrical box with a diameter of 60 mm. The regulator can be mounted directly on the wall using the back cover.

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
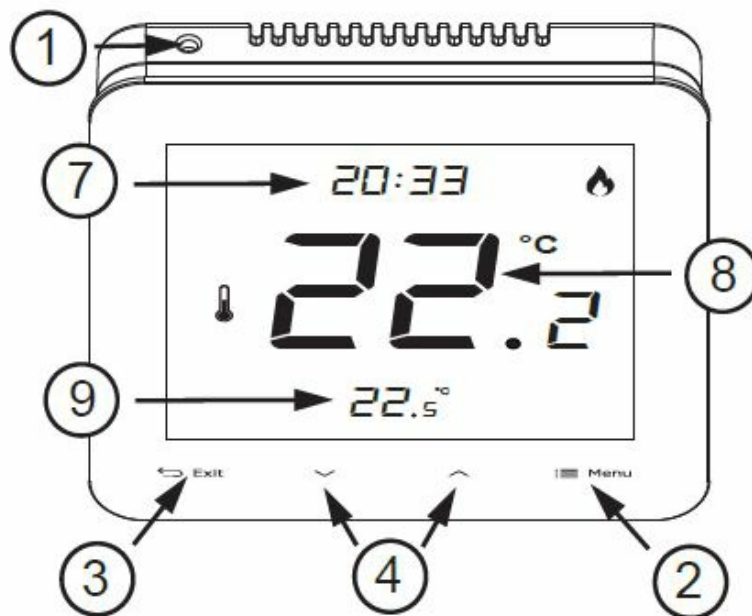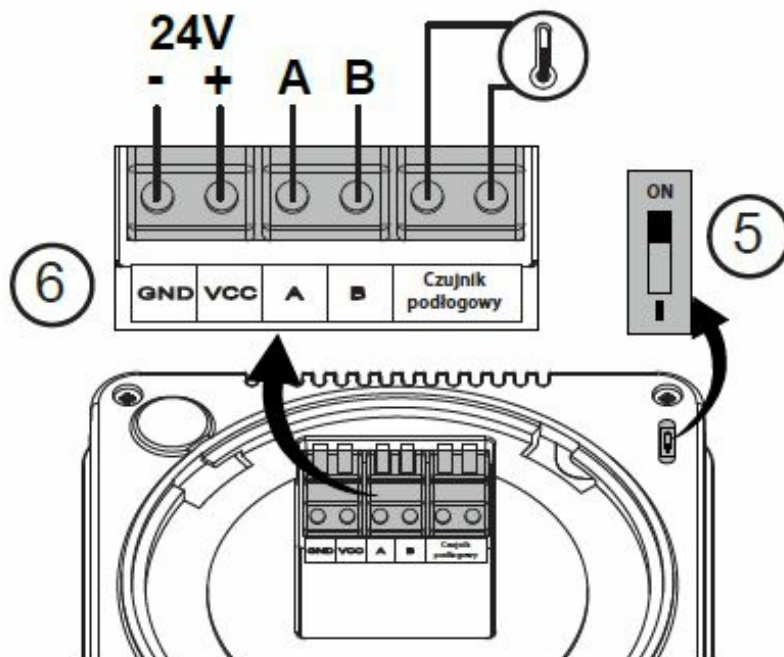
How to register the device in the sinum system

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.

Menu

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

- **CAL** – temperature sensor calibration,
- **FAb** – factory reset,
- **rEG** – device registration,

- **ЦЕг** – 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 ∧ and ∨ 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 Loc 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.

- **Controller connection** – the system has a terminating connection. The position of the regulator on the transmission line with the Sinum Central is determined by the position of the terminating switch 5 . Set to ON position (regulator at the end of the line) or position 1 (regulator in the middle of the line).

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:

- button lock option is displayed
- next menu function
- confirmation of settings Holding MENU:
- enter the menu

Technical data

Power supply	24V DC ±10%
Max. power consumption	0,2W
Humidity measurement range	10 – 95%
Room temperature setting range	5 ÷ 35°C

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

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**

tel: +48 33 875 93 80 **www.tech-controllers.com** **support.sinum@techsterowniki.pl**

www.techsterowniki.pl/manuals

www.tech-controllers.com/manuals
Made in Poland

Documents / Resources
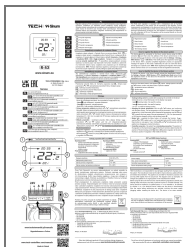
TECH R-S3 Room Regulator [pdf] Instruction Manual
R-S3, R-S3 Room Regulator, Room Regulator, Regulator

References

- 🌐 **controllers.com**
- **Intelligens fűtés, intelligens fűtési megoldások - vezérlők gyártója | TECH vezérlők**
- **sinum.eu**

- Intelligent heating, smart heating solutions - manufacturer of controllers | TECH Controllers
- Manuals - TECH Controllers
- TECH Controllers - Teplo ve Vašem domě
- TECH Controllers - Teplo vo Vašom dome
- Instrukcje - TECH Sterowniki
- Soluția de acasă de economisire a energiei - producător de controlere I Tech-Controllers

Manuals+,