Manuals+ — User Manuals Simplified.

TECH EU-R-10S Plus Controllers User Manual

TECH EU-R-10S Plus Controllers User Manual

Contents

Safety

Before using the device for the first time the user should read the following regulations carefully. Not obeying the rules included in this manual may lead to personal injuries or controller damage. The user's manual should be stored in a safe place for further reference. In order to avoid accidents and errors it should be ensured that every

person using the device has familiarized themselves with the principle of operation as well as security functions of the controller. If the device is to be sold or put in a diff erent place, make sure that the user's manual is there with the device so that any potential user has access to essential information about the device.

The manufacturer does not accept responsibility for any injuries or damage resulting from negligence; therefore, users are obliged to take the necessary safety measures listed in this manual to protect their lives and property

⚠ WARNING

- The regulator should not be operated by children.
- Any use other than specifi ed by the manufacturer is forbidden.

DESCRIPTION

The EU-R-10s Plus regulator is intended for controlling the heating device. Its main task is to maintain the pre-set room/floor temperature by sending a signal to the heating device or the external controller managing the actuators, when the room/floor temperature is too low.

Regulator functions:

- Maintaining pre-set floor/room temperature
- Manual mode
- Day/night mode

Controller equipment:

- Front panel made of glass
- Touch buttons
- Built-in temperature sensor
- Possibility of connecting a floor sensor

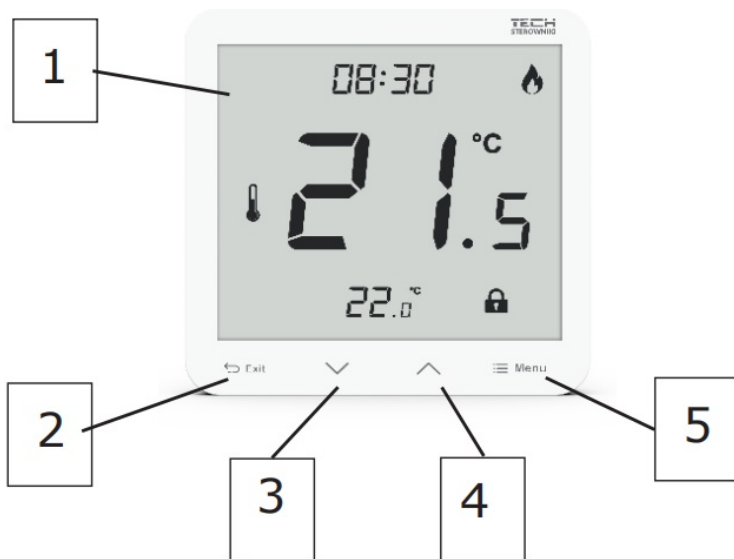The device is controlled with the use of touch buttons: EXIT, MENU,

∨ ∧

1. **Display**
2. **EXIT** – in the menu, the button is used to return to the main screen view. In the main screen view, press this button to display the room temperature value and the floor temperature value
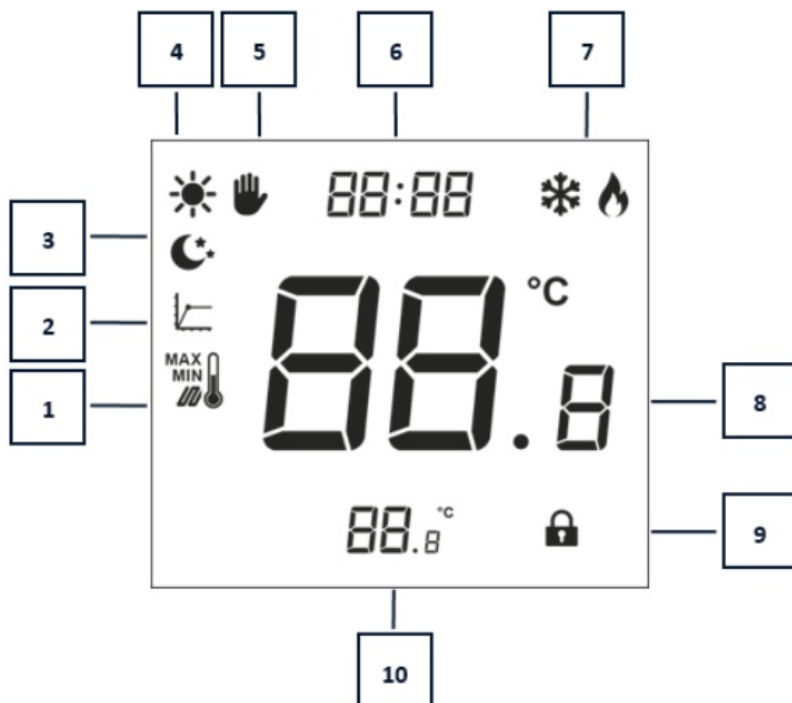3. ∨ – in the main screen view, press this button to decrease the preset room temperature. In the menu, use this button to adjust the button lock function.
4. ∧ – in the main screen view, press this button to increase the preset room temperature. In the menu, use this button to adjust the button lock function.
5. **MENU –** press this button to start editing the button lock function. Hold this button to enter the menu. Then, press the button to navigate around functions.
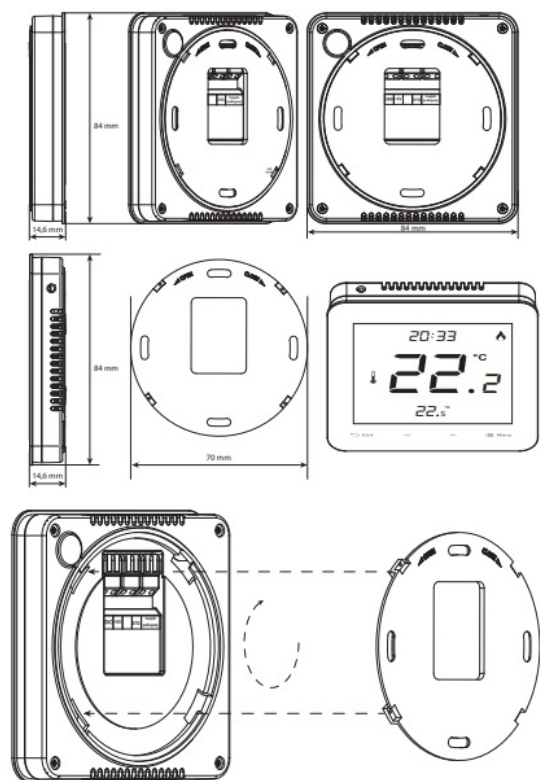
MAIN SCREEN DESCRIPTION

1. Maximum/minimum floor temperature – the icon is displayed only when the floor sensor has been enabled in the controller menu.
2. Hysteresis
3. Night mode
4. Day mode
5. Manual mode
6. Current time
7. Cooling/heating
8. Current temperature
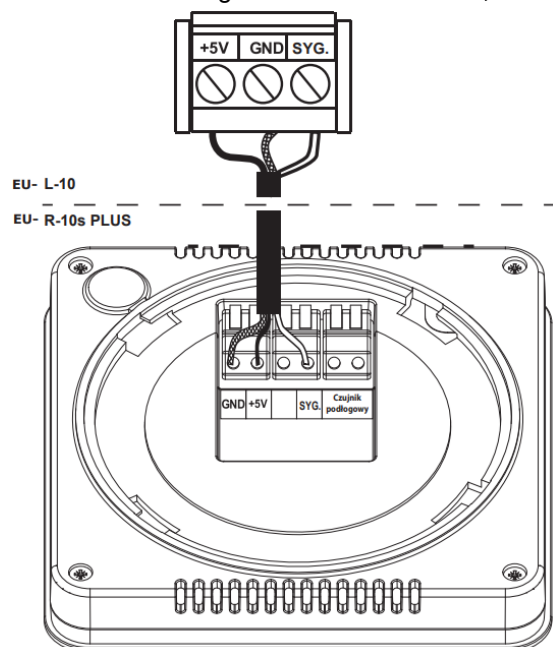9. Button lock
10. Pre-set temperature

HOW TO INSTALL THE CONTROLLER

The controller should be installed by a qualified person.
The room regulator should be connected to the main controller with the use of a three-core cable. The wire connection is illustrated below:

The EU-R-10s Plus regulator can be mounted on the wall. In order to do it, put the rear part of the controller into the flush-mounting box in the wall. Next, insert the regulator and twist it slightly.

OPERATION MODES

The room regulator may operate in one of the following modes:

- **Day/night mode –** In this mode, the pre-set temperature depends on the time of day – the user sets a separate

temperature for the day and night, as well as the time when the controller will enter each mode.

To activate this mode, press the Menu button until the day / night mode icon appears on the main screen. The user may adjust the pre-set temperature and (after pressing the Menu button again) the time when the day and night mode will be activated.

- **Manual mode –** In this mode, the user defines the pre-set temperature manually directly from the main screen view using the buttons or . Manual mode may be activated by pressing the Menu button. When the manual mode is activated, the previously active operating mode enters sleep mode until the next pre-programmed change of the pre-set temperature. Manual mode can be disabled by pressing and holding the EXIT button.
- **Minimalna temperatura –** in order to set the minimum floor temperature, press MENU until the floor heating icon appears on the screen. Next, use the buttons or to enable the heating, and then use the buttons or to set the minimum temperature.
- **Hysteresis –** underfloor heating hysteresis defines the tolerance for the maximum and minimum temperature. The settings range is from 0,2°C to 5 °C.

If the floor temperature exceeds the maximum temperature, the underfloor heating will be disabled. It will be enabled only after the temperature has dropped below the maximum floor temperature minus the **hysteresis value.**
Example:
Maximum floor temperature: 33°C
Hysteresis: 2°C
When the floor temperature reaches 33°C, the underfloor heating will be disabled. It will be activated again when the temperature drops to 31°C. When the floor temperature reaches 33°C, the underfloor heating will be disabled. It will be activated again when the temperature drops to 31°C. If the floor temperature drops below the minimum temperature, the underfloor heating will be enabled. It will be disabled after the floor temperature has reached the minimum value plus the hysteresis value

Example:
Minimum floor temperature: 23°C
Hysteresis: 2°C
When the floor temperature drops to 23°C, the underfloor heating will be enabled. It will be disabled when the temperature reaches 25°C

Calibration setting range is from -9,9 to +9,9 °C with the accuracy of 0,1°C. To calibrate the built-in sensor, press the MENU button until the floor sensor calibration screen app desired correction. To confirm, press the MENU button (confirm and move on to edit the next parameter

SOFTWARE VERSION – After pressing the MENU button the user may check the software version number. The number is necessary while contacting the service staff.
DEFAULT SETTINGS – This function is used to restore factory settings. In order to do it, change the flashing digit 0 to 1

TECH
CONTROLLERS

Documents / Resources

TECH EU-R-10S Plus Controllers [pdf] User Manual
EU-R-10S Plus Controllers, EU-R-10S, Plus Controllers, Controllers

References

- **User Manual**