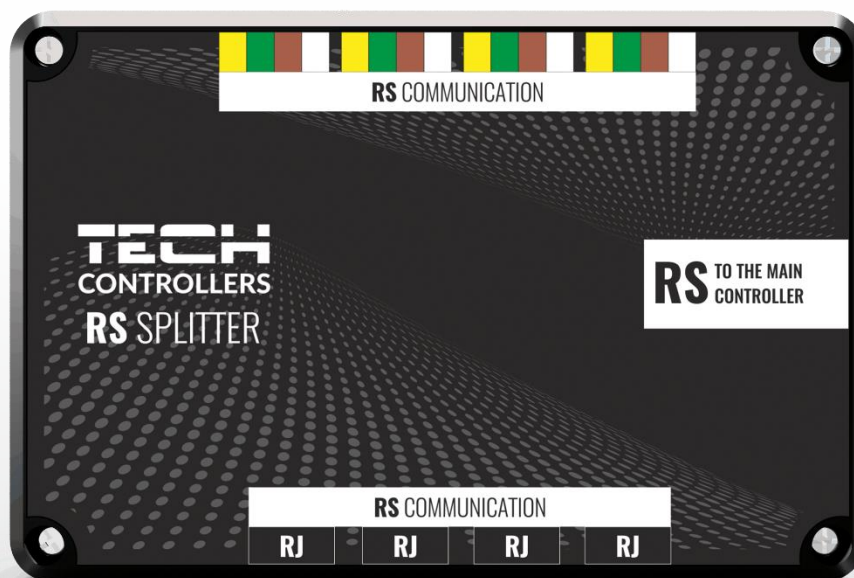


# TECH CONTROLLERS

## USER MANUAL EU-RS-8

EN



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**TABLE OF CONTENTS**

1. Safety..... 3

2. Adapter description ..... 4

3. Installation ..... 4

4. Technical data..... 6

*The pictures and diagrams are for illustration purposes only.  
The manufacturer reserves the right to introduce some changes.*



## 1. 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. 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 different place, make sure that the user's manual is stored 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

- **A live electrical device!** Make sure the regulator is disconnected from the mains before performing any activities involving the power supply (plugging cables, installing the device etc.).
- The device should be installed by a qualified electrician.
- The regulator should not be operated by children.



### WARNING

- The device may be damaged if struck by a lightning. Make sure the plug is disconnected from the power supply during storm.
- Any use other than specified by the manufacturer is forbidden.
- It is advisable to inspect the device periodically.

Changes in the products described in the manual may have been introduced subsequent to its completion on 16<sup>th</sup> September 2021. The manufacturer retains the right to introduce changes to the design and colours. The illustrations may include additional equipment. Print technology may result in differences in the colours shown.

We are committed to protecting the environment. Manufacturing electronic devices imposes an obligation of providing for environmentally safe disposal of used electronic components and devices. Hence, we have been entered into a register kept by the Inspection for Environmental Protection. The crossed-out bin symbol on a product means that the product may not be disposed of to household waste containers. Recycling of waste helps to protect the environment. The user is obliged to transfer their used equipment to a collection point where all electric and electronic components will be recycled.



## 2. ADAPTER DESCRIPTION

The EU-RS-8 adapter is a device for splitting the RS signal from slave devices (regulators, Internet modules, mixing valve modules) to the main controller. It enables the user to connect 8 devices.

The adapter is equipped with:

- 1 RS output for the main controller
- 4 RS communication outputs (connectors)
- 4 RS communication outputs (sockets)

## 3. INSTALLATION

The device should be installed by a qualified person.

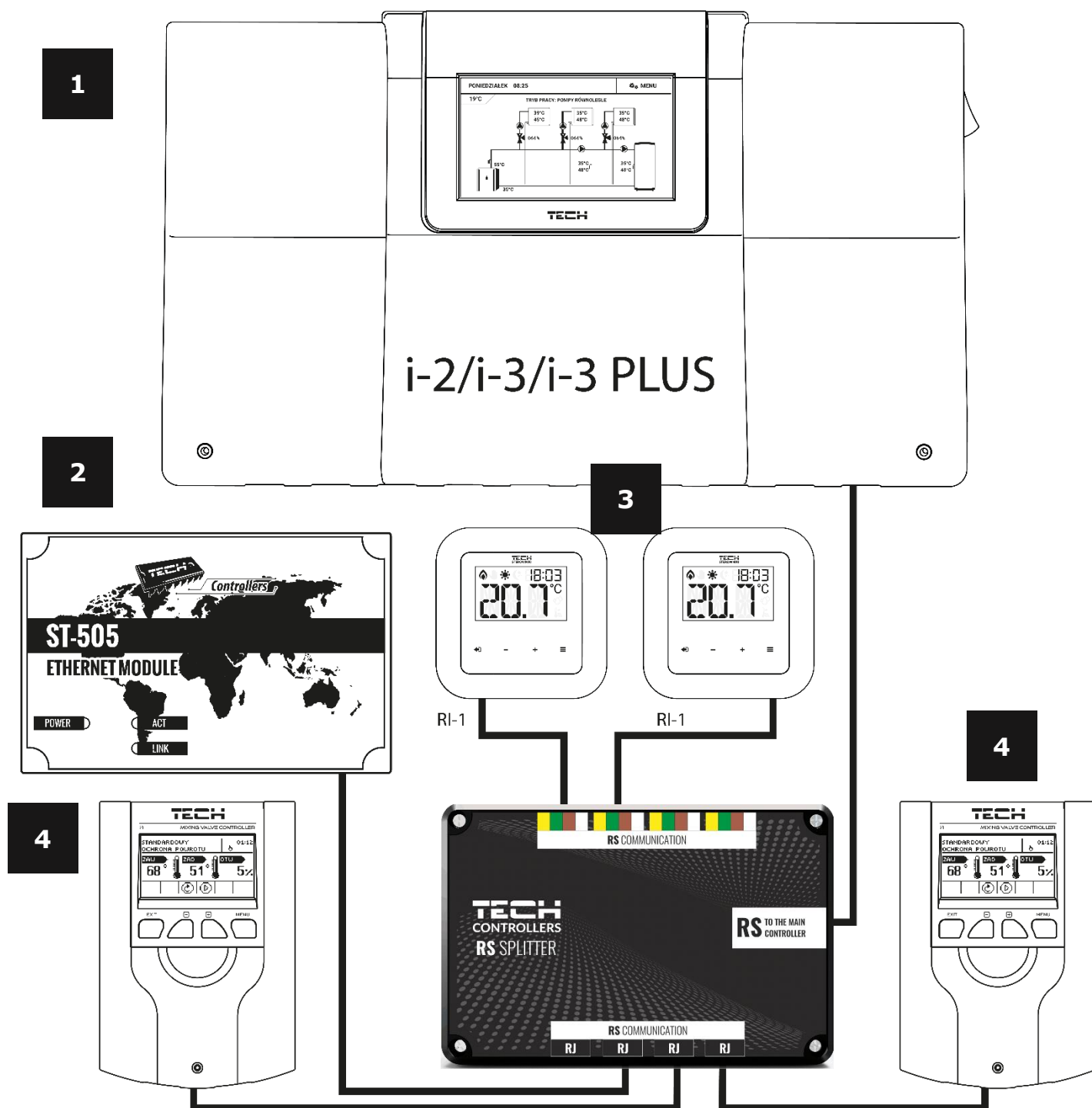


### **WARNING**

Incorrect connection of wires may damage the device.



An example diagram showing how to connect the EU-RS-8 adapter to the main controller



1. Main controller, e.g. external controller, heating system controller
2. The EU-505 Ethernet module
3. The EU-RI-1 room regulator
4. The EU-i-1 mixing valve

## 4. TECHNICAL DATA

|                                        |                |
|----------------------------------------|----------------|
| Operating temperature                  | 5°C ÷ 50°C     |
| Communication with the main controller | RJ12 connector |
| Acceptable relative ambient humidity   | 5 ÷ 85% REL.H  |



## EU DECLARATION OF CONFORMITY

Hereby, we declare under our sole responsibility that **EU-RS-8** manufactured by TECH, head-quartered in Wieprz Biała Droga 31, 34-122 Wieprz, is compliant with Directive **2014/35/EU** of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to **the making available on the market of electrical equipment designed for use within certain voltage limits** (EU OJ L 96, of 29.03.2014, p. 357), Directive **2014/30/EU** of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to **electromagnetic compatibility** (EU OJ L 96 of 29.03.2014, p.79), Directive **2009/125/EC** establishing a framework for the setting of ecodesign requirements for energy-related products as well as the regulation by the MINISTRY OF ENTREPRENEURSHIP AND TECHNOLOGY of 24 June 2019 amending the regulation concerning the essential requirements as regards the restriction of the use of certain hazardous substances in electrical and electronic equipment, implementing provisions of Directive (EU) 2017/2102 of the European Parliament and of the Council of 15 November 2017 amending Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (OJ L 305, 21.11.2017, p. 8).

For compliance assessment, harmonized standards were used:

**PN-EN IEC 60730-2-9:2019-06, PN-EN 60730-1:2016-10.**

Wieprz, **25.01.2022**

  
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