



TECH CONTROLLERS EU-262 Multi Purpose Device User Manual

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TECH CONTROLLERS EU-262 Multi-Purpose Device



Product Information

The EU-262 is a multi-purpose device that enables wireless communication for all types of two-state room regulators. The device includes two modules: v1 module and v2 module. The v1 module should be mounted at least 50 cm from any metal surface, pipeline or CH boiler to achieve the highest sensitivity of the antenna. The device operates on a power supply of 230V and an operating frequency of 868 MHz.

Product Usage Instructions

WARNING: The device should be installed by a qualified electrician. The regulator should not be operated by children. The device may be damaged if struck by lightning. Make sure the plug is disconnected from the power supply during a storm. Any use other than specified by the manufacturer is forbidden.

Channel Change

The default communication channel is '35'. However, in case of any radio interference, it might be necessary to change the communication channel. Here are the steps to follow to change the communication channel:

1. Press the channel change button on v2 module and hold it for about 5 seconds – the upper control light will turn green, which means that v2 module has entered the channel change mode. Once the green light appears, you can release the channel change button. If the channel is not changed within a few minutes, the module will resume standard operation mode.
2. Press and hold the channel change button on v1 module. When the control light flashes once (one quick flash), you have started setting the first digit of the communication channel number.

3. Hold the button and wait until the control light flashes (goes on and off) the number of times indicating the first digit of the channel number.
4. Release the button. When the control light goes off, press the channel change button again. When the control light on the sensor flashes twice (two quick flashes), you have started setting the second digit.
5. Hold the button and wait until the control light flashes the desired number of times. When the button is released, the control light will flash twice (two quick flashes) and the green control light on v1 module will go off. It means that the channel change has been completed successfully.

Errors in the channel change procedure are signaled with the control light going on for about 2 seconds. In such a case, the channel is not changed. Note that in case of setting a one-digit channel number (channels 0-9), the first digit should be 0.

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 different 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 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.
- Changes in the merchandise described in the manual may have been introduced subsequent to its completion on November 17th 2017. The manufacturer retains the right to introduce changes to the structure.
- The illustrations may include additional equipment. Print technology may result in differences in colours shown.
- Care for the natural environment is our priority.
- Being aware of the fact that we manufacture electronic devices obligates us to dispose of used elements and electronic equipment in a manner which is safe for nature. As a result, the company has received a registry number assigned by the Main Inspector of Environmental Protection. The symbol of a crossed out rubbish bin on a product means that the product must not be thrown out to ordinary waste bins.
- By segregating waste intended for recycling, we help protect the natural environment.
- It is the user's responsibility to transfer waste electrical and electronic equipment to the selected collection

point for recycling of waste generated from electronic and electrical equipment.

DEVICE DESCRIPTION

EU-262 is a multi-purpose device enabling wireless communication for all types of two-state room regulators.

The set includes two modules:

1. v1 module – it is connected to the two-state room regulator.



2. v2 module – it transmits the 'ON/OFF' signal from the v1 module to the main controller or the heating device.



NOTE

To achieve the highest sensitivity of the antenna, the EU-262 v1 module should be mounted at least 50 cm from any metal surface, pipeline, or CH boiler.



CHANNEL CHANGE

NOTE

The default communication channel is '35'. There is no need to change the communication channel if the device operation is not interrupted by any radio signal.

In case of any radio interference, it might be necessary to change the communication channel. In order to change the channel, follow these steps:

1. Press the channel change button on v2 module and hold it for about 5 seconds – the upper control light will turn green, which means that v2 module has entered the channel change mode. Once the green light appears, you can release the channel change button. If the channel is not changed within a few minutes, the module will resume standard operation mode.
 2. Press and hold the channel change button on v1 module. When the control light flashes once (one quick flash), you have started setting the first digit of the communication channel number.
 3. Hold the button and wait until the control light flashes (goes on and off) the number of times indicating the first digit of the channel number.
 4. Release the button. When the control light goes off, press the channel change button again. When the control light on the sensor flashes twice (two quick flashes), you have started setting the second digit.
 5. Hold the button and wait until the control light flashes the desired number of times. When the button is released, the control light will flash twice (two quick flashes) and the green control light on v1 module will go off. It means that the channel change has been completed successfully.
- Errors in channel change procedure are signalised with the control light going on for about 2 seconds. In such a case, the channel is not changed.

NOTE

- In case of setting a one-digit channel number (channels 0-9), the first digit should be 0.

v1 module



1. Room regulator status (control light ON – heating). It also signalises communication channel change as

described in section III.

2. Power supply control light

3. Communication button

v2 module



1. Communication/channel change mode (in channel change mode the light is permanently ON) 2 – Power supply control light

2. Room regulator status (control light ON – heating)

3. Przycisk komunikacji

TECHNICAL DATA

Description	V1	V2
Ambient temperature	5÷50 °C	
Power supply	230V	
Operation frequency	868 MHz	

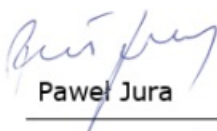
EU Declaration of Conformity

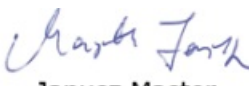
Hereby, we declare under our sole responsibility that EU-262 manufactured by TECH STEROWNIKI, head-quartered in Wieprz Biała Droga 31, 34-122 Wieprz, is compliant with Directive 2014/53/EU of the European parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, 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 art. 3.1a Safety of use
- ETSI EN 301 489-1 V2.2.3 (2019-11) art.3.1b Electromagnetic compatibility
- ETSI EN 301 489-3 V2.1.1:2019-03 art.3.1 b Electromagnetic compatibility
- ETSI EN 300 220-2 V3.2.1 (2018-06) art.3.2 Effective and coherent use of radio spectrum
- ETSI EN 300 220-1 V3.1.1 (2017-02) art.3.2 Effective and coherent use of radio spectrum.


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Documents / Resources

	<p>TECH CONTROLLERS EU-262 Multi Purpose Device [pdf] User Manual EU-262 Multi Purpose Device, EU-262, Multi Purpose Device</p>
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