

**TECH**  
CONTROLLERS  
**EU-C-8zr Wireless Outdoor  
Temperature Sensor**



# TECH CONTROLLERS EU-C-8zr Wireless Outdoor Temperature Sensor User Manual

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**TECH**  
CONTROLLERS

**TECH CONTROLLERS EU-C-8zr Wireless Outdoor Temperature Sensor**



## Product Information

### Specifications

- **Model:** EU-C-8zr
- **Communication:** Radio signal
- **Compatibility:** EU-L-8e controller
- **Power Source:** 2x AAA 1.5V batteries
- **Temperature Range:** -30°C to 50°C
- **Operation Frequency:** 868MHz
- **Measurement Accuracy:**  $\pm 0.5^{\circ}\text{C}$
- **Data Sending Cycle:** Every 240 seconds

### Product Usage Instructions

**WARNING:** The device is not intended to be operated by children.

The EU-C-8zr external sensor is designed to communicate with the EU-L-8e main controller via radio signal. Install the sensor in a shaded area to prevent it from being affected by weather conditions. The sensor is powered by two AAA 1.5V batteries.

- Access the main controller menu.
- Select “External sensor” and then “Registration”.
- Briefly press the communication button on the sensor.
- If successful, the controller will display a confirmation message.

### Control Light and Communication Button

- The sensor features a control light and a communication button for easy operation and status indication.

## FAQ

- **Q:** What should I do if I lose the Warranty Card?
- **A:** Unfortunately, the manufacturer does not issue a duplicate Warranty Card if it is lost or damaged. It is essential to keep the Warranty Card in a safe place.
- **Q:** How often should I replace the batteries in the sensor?
- **A:** The sensor is powered by two AAA 1.5V batteries. Replace the batteries when necessary or when the device indicates low battery levels.

## WARRANTY CARD

TECH STEROWNIKI II Sp. z o.o. company ensures to the Buyer proper operation of the device for 24 months from the date of sale. The Guarantor undertakes to repair the device free of charge if the defects occurred through the manufacturer's fault. The device should be delivered to its manufacturer. Principles of conduct in the case of a complaint are determined by the Act on specific terms and conditions of consumer sale and amendments of the Civil Code (Journal of Laws of 5 September 2002).

**CAUTION!** THE TEMPERATURE SENSOR CANNOT BE IMMERSSED IN ANY LIQUID (OIL ETC.). THIS MAY RESULT IN DAMAGING THE CONTROLLER AND LOSS OF WARRANTY! THE ACCEPTABLE RELATIVE HUMIDITY OF THE CONTROLLER'S ENVIRONMENT IS 5÷85% REL.H. WITHOUT THE STEAM CONDENSATION EFFECT.

THE DEVICE IS NOT INTENDED TO BE OPERATED BY CHILDREN.

Activities related to setting and regulation of the controller parameters described in the Instruction Manual and parts wearing out during normal operation, such as fuses, are not covered by warranty repairs. The warranty does not cover damages arising as a result of improper operation or through the user's fault, mechanical damage or damage created as a result of fire, flood, atmospheric discharges, overvoltage or short-circuit.

The interference of an unauthorized service, wilful repairs, modifications and construction changes cause the loss of Warranty. TECH controllers have protective seals. Removing a seal results in the loss of Warranty.

The costs of an unjustifiable service call to a defect will be borne exclusively by the buyer. An unjustifiable service call is defined as a call to remove damages not resulting from the Guarantor's fault as well as a call considered unjustifiable by the service after diagnosing the device (e.g. damage of the equipment through the fault of the client or not subject to Warranty), or if the device defect occurred for reasons lying beyond the device.

In order to execute the rights arising from this Warranty, the user is obliged, at his own cost and risk, to deliver the device to the Guarantor along with a correctly filled-in warranty card (containing, in particular, the sale date, the seller's signature and a description of the defect) and sales proof (receipt, VAT invoice, etc.). The Warranty Card is the only basis for repair free of charge. The complaint repair time is 14 days.

When the Warranty Card is lost or damaged, the manufacturer does not issue a duplicate.

## 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.

We are committed to protecting the environment. Manufacturing electronic devices imposes an obligation to provide 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.



## WARNING

- The device should be installed by a qualified electrician.
- The sensor should not be operated by children.
- Before and during the heating season, the controller should be checked for the condition of its cables. The user should also check if the controller is properly mounted and clean it if dusty or dirty.

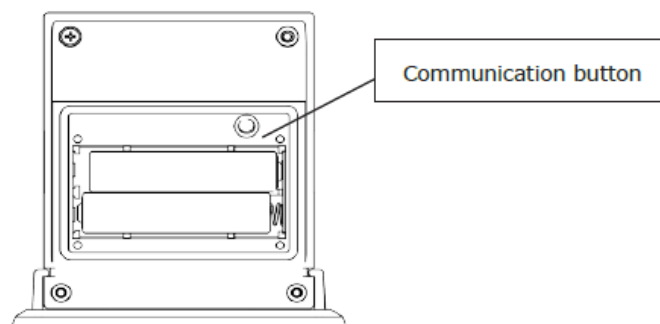
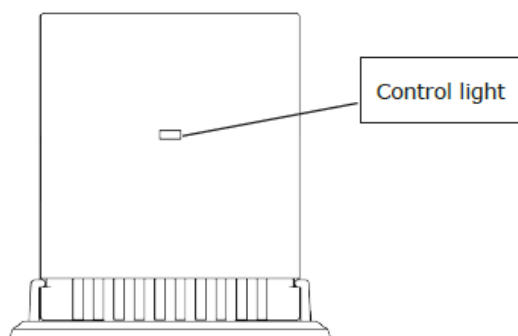
## Description

- The EU-C-8zr external sensor communicates with the main controller via a radio signal and it is designed to be used with the EU-L-8e controller.
- The sensor should be installed in a shaded place so that it is not affected by the weather conditions.
- The sensor is powered with two AAA 1,5V batteries.

## Registration

- The sensor must be registered so that it can communicate with the main controller.
- In order to register the device, go to the main controller menu and select External Sensor → Registration.
- Next, press briefly the communication button on the sensor.
- If the registration process has been successful, the controller will display a message to confirm.

**NOTE** Switching the sensor off in the controller menu only interrupts the communication (the external temperature is no longer displayed on the controller screen). It does not disable the external sensor itself – it remains active until the battery is flat.



## Technical data


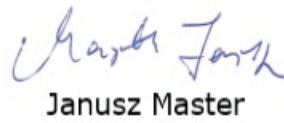
|                               |                             |
|-------------------------------|-----------------------------|
| Temperature measurement range | -300C-500C                  |
| Operation frequency           | 868MHz                      |
| Measurement accuracy          | 0,50C                       |
| Data sending cycle            | 240 sec.                    |
| Power supply                  | Batteries 2×1,5V AAA (LR03) |

## EU Declaration of Conformity

Hereby, we declare under our sole responsibility that EU-C-8zr manufactured by TECH STEROWNIKI II Sp. z o.o., 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 harmonization 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
- PN-EN 62479:2011 art. 3.1 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
- EN IEC 63000:2018 RoHS
- Wieprz, 08.05.2020

  
 Paweł Jura
   
 Janusz Master

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Prezesa firmy

## CONTACT

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## Documents / Resources

|   |  |
|---|--|
|  | <p><b><a href="#">TECH CONTROLLERS EU-C-8zr Wireless Outdoor Temperature Sensor</a> [pdf] User Manual EU-C-8zr, EU-C-8zr Wireless Outdoor Temperature Sensor, EU-C-8zr Outdoor Temperature Sensor, Wireless Outdoor Temperature Sensor, Outdoor Temperature Sensor, Sensor, Outdoor Sensor, Temperature Sensor</b></p> |
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## References

- [User Manual](#)

### Manuals+, Privacy Policy

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