

TECH | Sinum

**EHI-1m Wireless
Wireless
Concentration Sensor**



TECH Sinum EHI-1m Wireless Wireless Concentration Sensor User Manual

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TECH Sinum EHI-1m Wireless Wireless Concentration Sensor



SAFETY

Before operating the device, please read the following instructions carefully. Failure to observe instructions may cause damage to the device or even personal injury. Please store this manual for future reference. To avoid functional errors or accident, make sure that all persons operating the device are thoroughly familiarized with its operation and safety functions. Please retain the operating manual for future reference and make sure that it stays with the device if it is transferred or sold, so that anyone using it will have sufficient information concerning the operation and safety of the device. For the safety of life and property, take precautions in accordance with the user manual, as the manufacturer is not responsible for damage caused by negligence.

WARNING

- Live electrical equipment! Before carrying out any operations related to the power supply (connecting cables, installing the device, etc.), make sure that the controller is not connected to the mains!
- Installation should be carried out only by a person holding appropriate electrical qualifications!
- Before starting the controller, the ground resistance of electric motors and the insulation resistance of electric wires should be measured.
- The controller is not intended to be operated by children!

NOTE

- Atmospheric discharges can damage the controller, in the event of a thunderstorm, the controller should be switched off by unplugging the mains plug.
- The controller may not be used contrary to its intended purpose.
- Before and during the heating season, check the technical condition of the cables. Also, check the installation of the controller, and clear away dust and other soiling.

DEVICE DESCRIPTION

The EHI-1m module is designed to operate a three- or four-way mixing valve with the option of connecting an

additional valve pump. This controller is equipped with a weather control function, a weekly schedule setter, and is compatible with a room regulator. An additional advantage of the device is the return temperature protection against too low a temperature of the water returning to the boiler. The module does not work independently, it works with the EHI-2 master device, in which all settings are available.

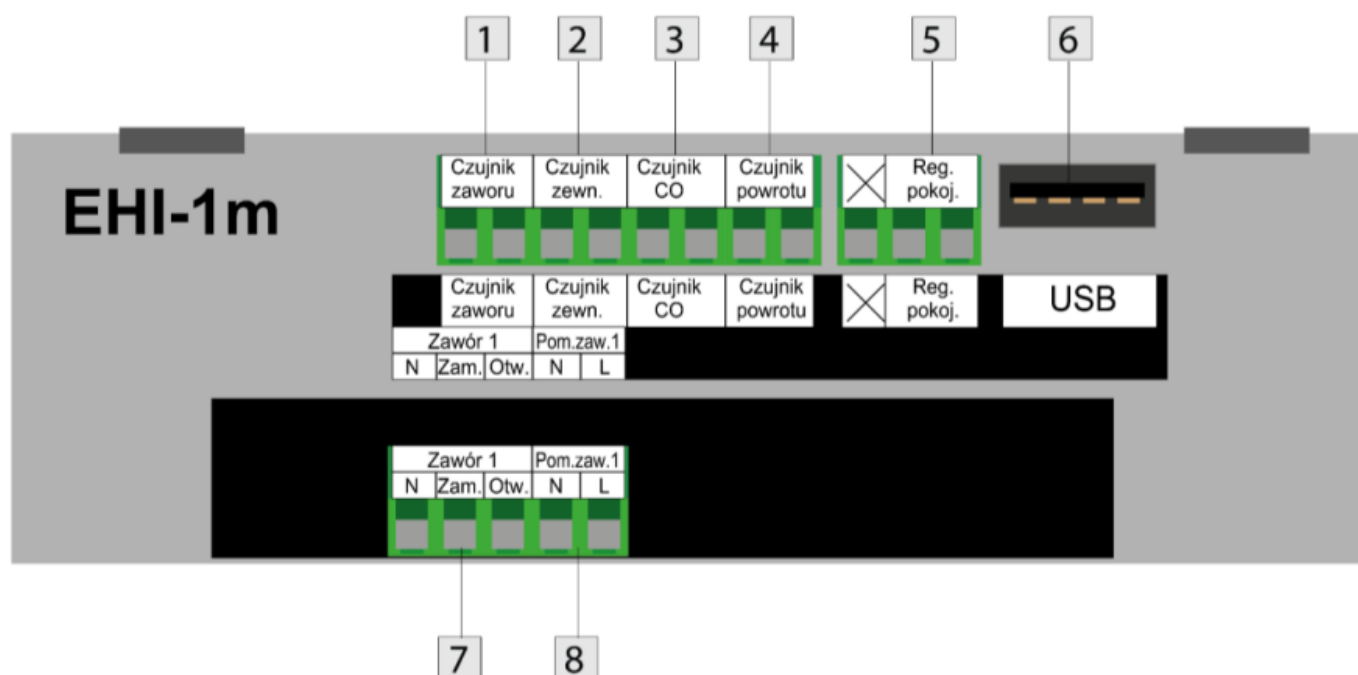


Description of controls

- Communication – information about the current status of the module
- Pump work
- Opening the valve
- Closing the valve

HOW TO INSTALL

The controller should only be installed by a properly qualified person!



1. Valve sensor

2. External sensor
3. CH sensor
4. Return sensor
5. Room regulator
6. USB
7. Valve
8. Valve pump

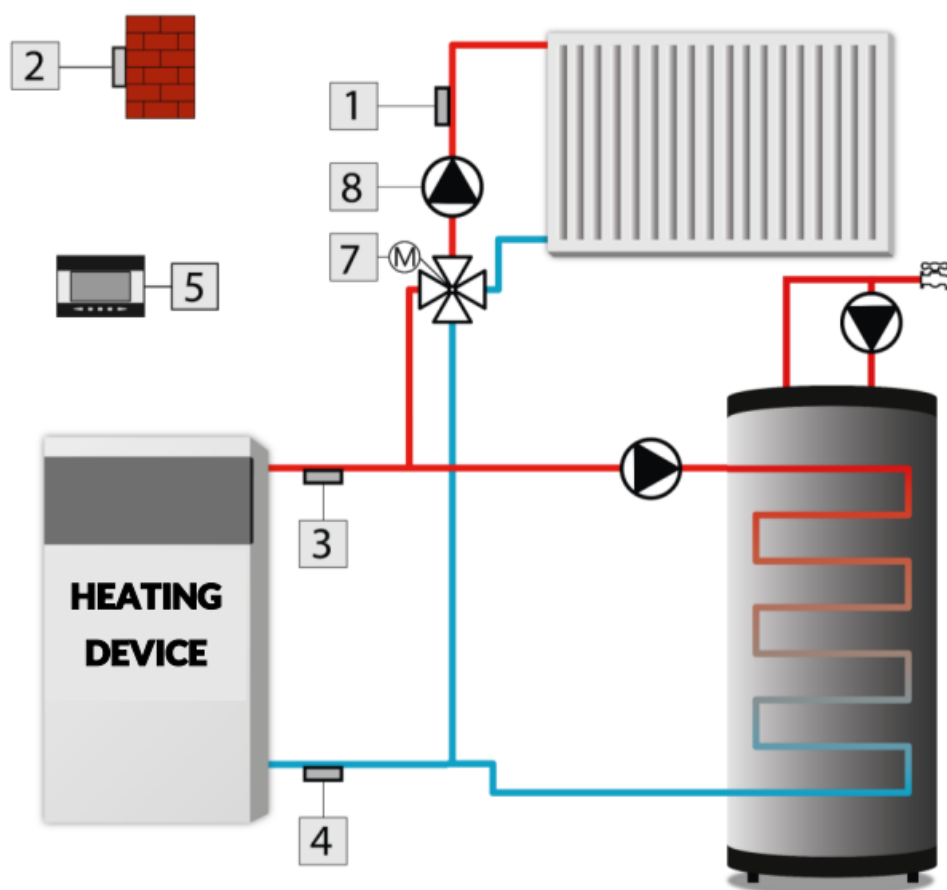
WARNING

Danger of injury or death due to electric shock on live connections. Before working on the controller, disconnect its power supply and secure it against accidental switching on.

NOTE

Never connect the pump controlling outputs directly to the systems pumps if the manufacturer requires the use of the external main switch, a power supply fuse or additional deformed current-resistant residual current circuit breaker! To prevent damage to the device, use an additional safety system between the controller and the pump. The manufacturer recommends the ZP-01 pump adapter, which must be ordered separately.

Example installation diagram



TECHNICAL DATA

No.	Specification	Unit	
1	Power supply voltage	V	230 +/-10% /50Hz
2	Power consumption of the controller	W	2
3	Ambient temperature	°C	5÷50
4	Max. load on pump and valve outputs	A	0.5
5	Sensor temp. resistance	°C	-30÷99
6	Fuse insert	A	6.3

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.

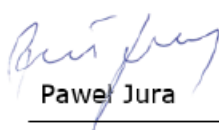
Images and diagrams contained in the document serve illustrative purposes only. The manufacturer reserves the right to introduce changes.

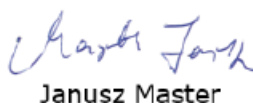
EU Declaration of Conformity

The TECH STEROWNIKI II Sp. z o.o. company, with a registered office in Wieprz, 34-122, at ulica Biała Droga 31, declares under sole responsibility that the EHI-1m manufactured by us meets the requirements of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (Official Journal of EU L 96 of 29.03.2014, page 357) and Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (O. J. EU L 96 of 29.03.2014, page 79), Directive 2009/125/EC on ecodesign requirements for energy-related products and REGULATIONS OF THE MINISTER OF ENTREPRENEURSHIP AND TECHNOLOGY of 24 June 2019 amending the regulation on the essential requirements for the restriction of use certain hazardous substances in electrical and electronic equipment implementing 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 (O. J. EU L 305 of 21.11.2017, p. 8) The harmonized standards applied for conformity assessment were:

- PN-EN IEC 60730-2-9:2019-06,
- PN-EN 60730-1:2016-10,
- PN EN IEC 63000:2019-01 RoHS.

Wieprz, 01.09.2024


Paweł Jura


Janusz Master

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Specifications

- **Power supply voltage:** 230 V +/-10% / 50Hz
- **Power consumption of the controller:** 2 W
- **Ambient temperature:** 0.5°C
- **Max. load on pump and valve outputs:** 6.3 A
- Sensor temperature resistance

FAQ

Q: Can I dispose of the product in household waste containers?

A: No, the product may not be disposed of in household waste containers. Please transfer used equipment to a collection point for recycling of electric and electronic components.


Q: Are the images and diagrams in the manual exact representations of the product?

A: No, the images and diagrams in the manual serve illustrative purposes only. The manufacturer reserves the right to introduce changes.

Q: What is the recommended safety measure when working with the controller?

A: Always disconnect the power supply and prevent accidental switching on to avoid electric shock.

Documents / Resources

	<p>TECH Sinum EHI-1m Wireless Wireless Concentration Sensor [pdf] User Manual EHI-1m Wireless Wireless Concentration Sensor, EHI-1m, Wireless Wireless Concentration Sensor, Wireless Concentration Sensor, Concentration Sensor, Sensor</p>
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References

- [User Manual](#)

Manuals+, Privacy Policy

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