



TECH Sinum KW-10m Input/ Output Card Owner's Manual

[Home](#) » [TECH](#) » TECH Sinum KW-10m Input/ Output Card Owner's Manual 

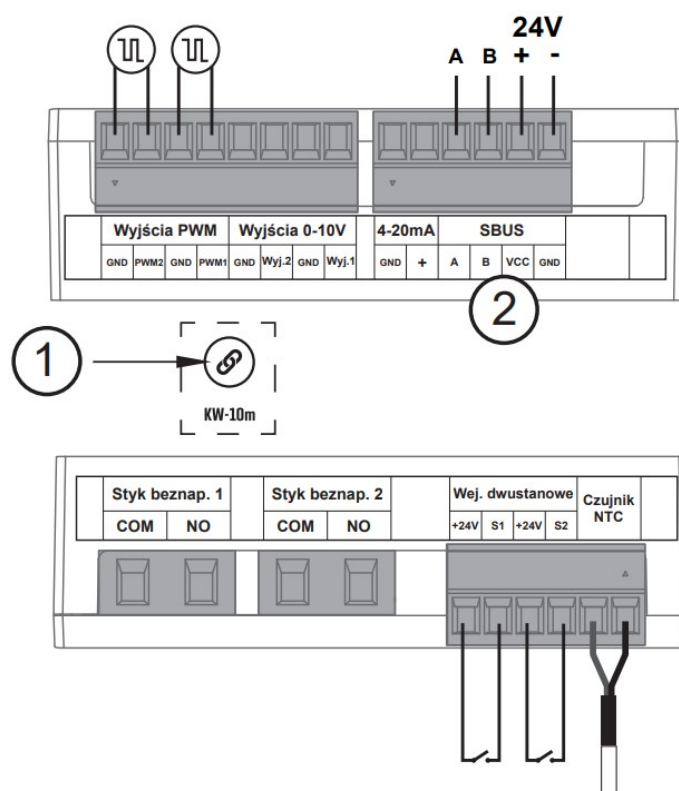
TECH |  **Sinum**
KW-10m
www.sinum.eu



Contents

- 1 Sinum KW-10m Input/ Output Card
- 2 Description
- 3 How to register the device in the sinum system
- 4 Technical data
- 5 Notes
- 6 EU Declaration of conformity
- 7 Documents / Resources
 - 7.1 References

Sinum KW-10m Input/ Output Card



The KW-10m input / output card is a device that takes a part in the exchange of information between sensors and devices connected to the card and the Sinum Central device. KW-10m is equipped with:

- 2 x PWM output
- 2 x 0-10V output
- 1 x 4-20mA input
- 2 x Voltage-free contact
- 2 x Two-state input
- 1 x NTC sensor input

It is designed for mounting on a DIN rail. Communication with the Sinum central device is done by wire.

Description

⏻ – Power supply

⏻ – Communication

1-2 IN – Current status of two-state input (ON/OFF)

1-2 OUT – Current status of the voltage-free output (ON/OFF)

How to register the device in the sinum system

The device should be connected to the Sinum central device using the SBUS connector ②, and then enter the address of the Sinum central device in the browser and log in to the device. In the main panel, click the Settings > Devices > SBUS devices > ③> Add device. Then briefly press the registration button ① on the device.

After a properly completed registration process, on the screen will appear a window to define function of two-state input (button or two-state input). Additionally, at the end of registration, the user can name the device and assign it to a specific room.

How to identify the device in the Sinum system

To identify the device in the Sinum Central, activate the Identification Mode in the Settings > Devices > SBUS Devices > ③> Identification Mode tab and hold the registration button on the device for 3-4 seconds. The device used will be highlighted on the screen.

Technical data

Power supply	24V DC \pm 10%
Max. power consumption	1,5W
Operation temperature	5°C ÷ 50°C
Rated load of the voltage-free contact 1-2	230V AC / 0,5A (AC1)*
NTC Sensor thermal resistance	-30°C ÷ 50°C
Dimensions [mm]	69 x 89 x 65
Communication	Przewodowa (TECH SBUS)
Installation	on DIN TH35 rail

* AC1 load category: single-phase, resistive or slightly inductive AC load

Notes

TECH Controllers is not responsible for any damages resulting from improper use of the system. The manufacturer reserves the right to improve devices, update software and related documentation. The graphics are provided for illustration purposes only and may differ slightly from the actual look. The diagrams serve as examples. All changes are updated on an ongoing basis on the manufacturer's website.

Before using the device for the first time, read the following regulations carefully. Not obeying these instructions may lead to personal injuries or controller damage. The device should be installed by a qualified person. It is not intended to be operated by children.

It is a live electrical device. Make sure the device is disconnected from the mains before performing any activities involving the power supply (plugging cables, installing the device etc.). The device is not water resistant.



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.

EU Declaration of conformity

Tech Sterowniki II Sp. z o.o. ul. Biała Droga 34, Wieprz (34-122)

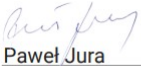
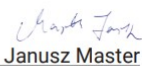
Hereby, we declare under our sole responsibility that the input / output card KW-10m is compliant with Directive :

- 2014/35/UE
- 2014/30/UE
- 2009/125/WE
- 2017/2102/UE

For compliance assessment, harmonized standards were used:

- PN-EN IEC 60730-2-9:2019-06
- PN-EN 60730-1:2016-10
- EN IEC 63000:2018 RoHS

Wieprz, 01.07.2024


Paweł Jura

Janusz Master
Prezesa firmy

The full text of the EU declaration of conformity and the user manual are available after scanning the QR code or at www.tech-controllers.com/manuals



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Made in Poland

Documents / Resources



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KW-10m, Sinum KW-10m Input Output Card, Sinum KW-10m, Sinum, Input Output Card, Card

References

- [controllers.com](https://www.controllers.com)
- [Intelligens fűtés-hűtés, fűtési-hűtési megoldások - TECH vezérlők gyártója | TECH vezérlők](#)
- [Sinum - TECH Controllers](#)
- [Intelligent heating, smart heating solutions - manufacturer of controllers | TECH Controllers](#)
- [Manuals - TECH Controllers](#)
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