

Sinum
KW-12m Wired Blue
Input Card Tech
Controllers



Sinum KW-12m Wired Blue Input Card Tech Controllers Instruction Manual

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Sinum KW-12m Wired Blue Input Card Tech Controllers



Specifications:

- **Model:** KW-12m
- **Power Supply:** 24V
- **Inputs:** Two-state inputs S1, S2, S3, S4 (+24V)
- **Connectors:** 1 – Registration button, 2 – SBUS communication connector, 3 – Two-state inputs connector (+24V), 4 – NTC sensor connector (1-8)

Product Usage Instructions

Description:

The KW-12m input card facilitates communication between sensors and devices with the Sinum Central device. Designed for DIN rail mounting, it communicates with the Sinum Central device via a wired connection.

Control Lights Description:

- Power Supply
- Communication 1-4
- Two-state Inputs Status

Connectors Description:

- 1 – Registration button
- 2 – SBUS communication connector
- 3 – Two-state inputs connector (+24V)
- 4 – NTC sensor connector (1-8)

How to Register the Device in the Sinum System:

To register the device in the Sinum system:

1. Connect the device to the Sinum Central device using the SBUS connector.
2. Enter the address of the Sinum Central device in the browser and log in. In the main panel, click on Settings > Devices > SBUS devices > + > Add device.
3. Briefly press the registration button on the device.
4. After successful registration, a window will appear to define the function of each two-state input (button or two-state input).
5. At the end of registration, name the device and assign it to a specific room.

FAQ:

• How do I identify a device in the Sinum Central?



To identify a device in the Sinum Central, activate Identification Mode in Settings > Devices > SBUS Devices > + > Identification Mode, then hold down the pairing button on the device for 3-4 seconds. The corresponding device on the screen will be highlighted.

• Where can I find the full EU Declaration of Conformity?

The full EU Declaration of Conformity and user manual are available by scanning the QR code or visiting www.techsterowniki.pl/manuals.

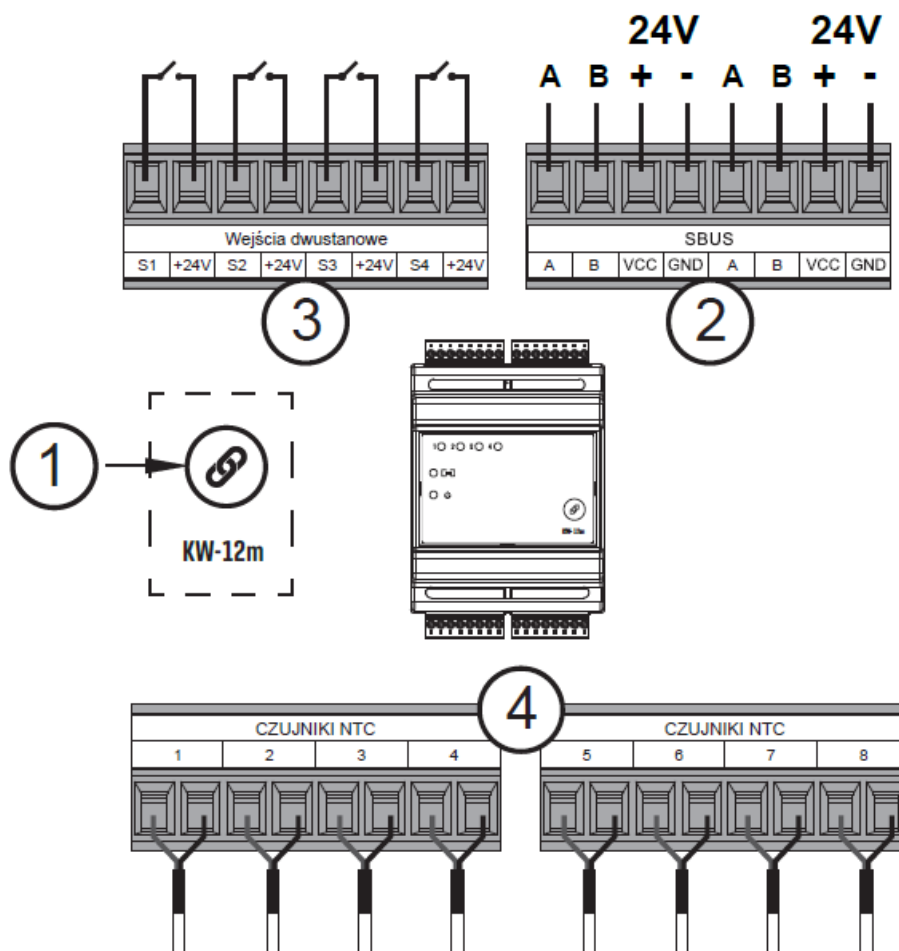
The KW-12m input card is a device that takes part in the exchange of information between sensors and devices connected to the card and the Sinum Central device. It is designed for mounting on a DIN rail. Communication with the Sinum central device is done by wire.

Control lights description

-  Power supply
-  Communication
- 1-4 – Two-state inputs status


Connectors description

1. Registration button
2. SBUS communication connector
3. Two-state inputs connector (+24V)
4. NTC sensor connector (1-8)




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 >  > Add device. Then briefly press the registration button 1 on the device. After a properly completed registration process, the screen will appear as a window to define the function of each 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 >  > 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 ÷ 50°C
- **NTC Sensor thermal resistance** -30 ÷ 50°C
- **Dimensions [mm]** 69 x 89 x 65
- **Communication** Wired (TECH SBUS)
- **Installation** on DIN TH35 rail

Important Notes

- TECH Controllers is not responsible for any damages resulting from improper use of the system. The manufacturer reserves the right to improve devices and 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 in 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.



Declaration of conformity

EU Declaration of Conformity


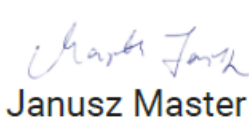
Tech Sterowniki II Sp. z o.o. ul. Biała Droga 34, Wieprz (34-122) Hereby, we declare under our sole responsibility that the input/output card KW-12m is compliant with Directive:

- 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
Prezesi 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.

www.techsterowniki.pl/manuals



www.tech-controllers.com/manuals



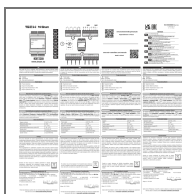
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www.sinum.eu.

Documents / Resources



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KW-12m Wired Blue Input Card Tech Controllers, KW-12m, Wired Blue Input Card Tech Controllers, Input Card Tech Controllers, Card Tech Controllers, Tech Controllers, Controllers

References

- controllers.com
- reg.com
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- [Sinum - TECH Controllers](#)
- [Intelligent heating, smart heating solutions - manufacturer of controllers | TECH Controllers](#)
- [Manuals - TECH Controllers](#)
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