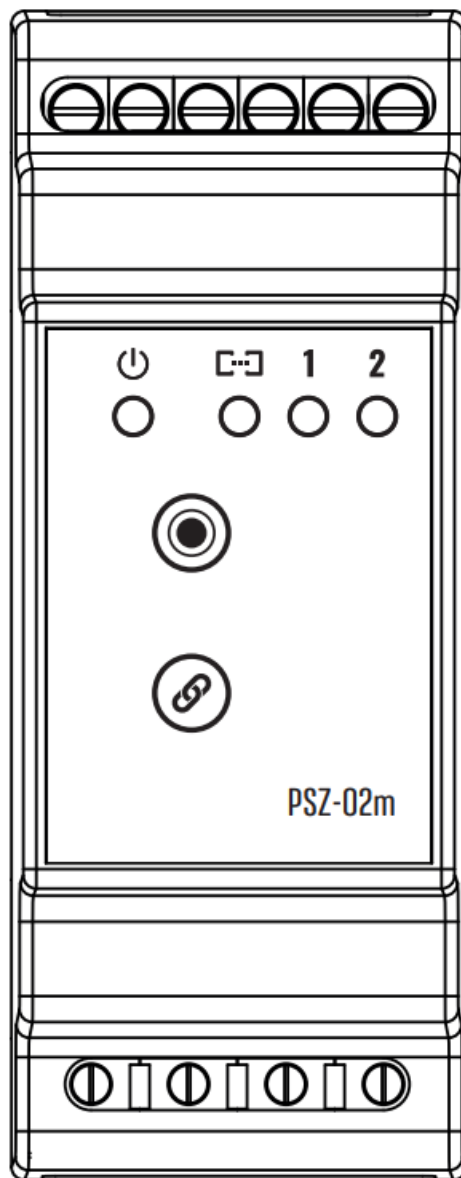


TECH PSZ-02m Wired Relay Module Instruction Manual

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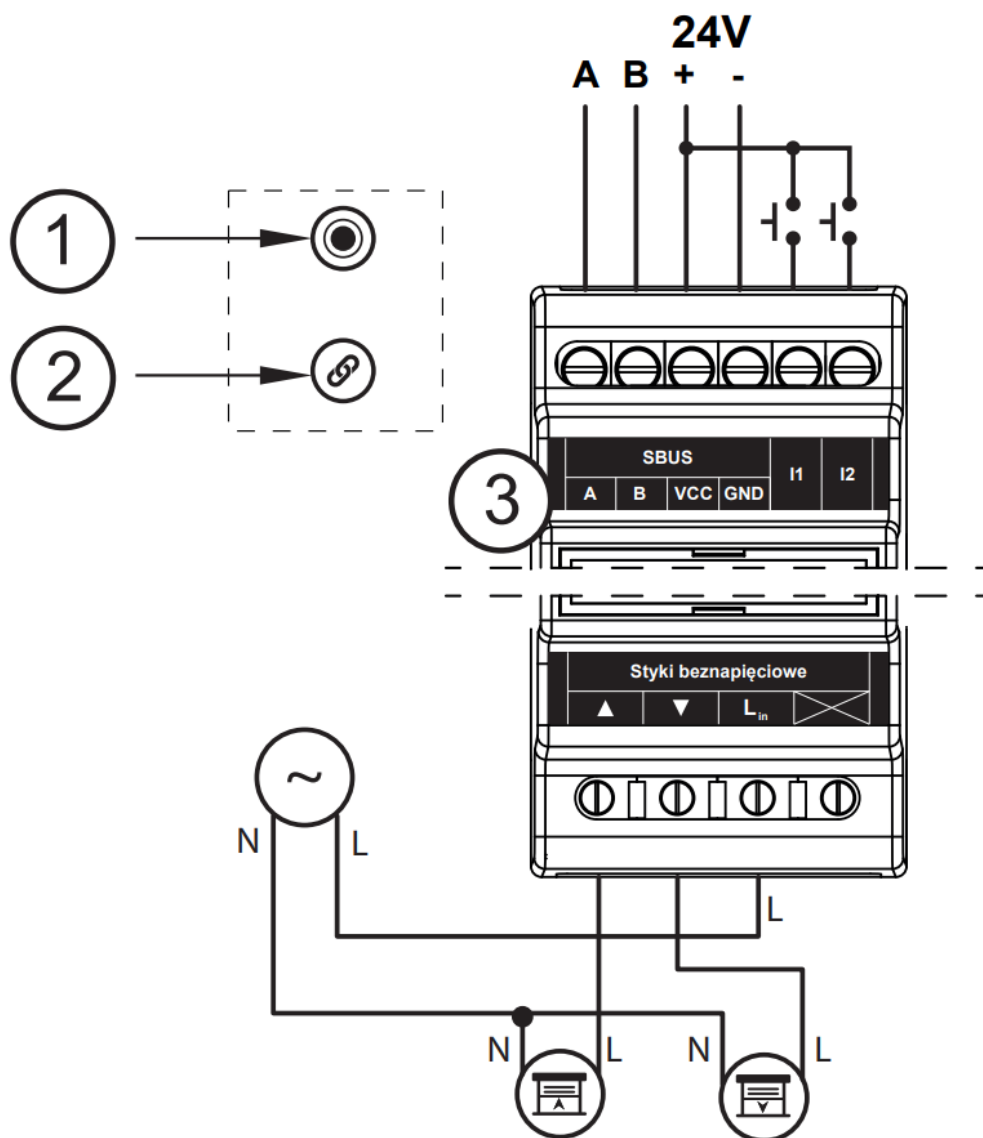
TECH PSZ-02m Wired Relay Module



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War diagram



Important Information

The PSZ-02m module is an electronic device equipped with 2 independent voltage-free relays enabling the user to control the roller shutter raising and lowering circuits. It can work with the monostable switches. It is designed to be mounted on a DIN rail. Communication with the Sinum central device is done by wire.

IMPORTANT!

1. Connecting the roller shutter to the module outputs in reverse will result in incorrect operation of the device and incorrect calibration.
2. Before using the module for the first time, the roller shutter limit switches should be set correctly.
3. After every ten movements of the roller shutter, automatic calibration takes place – the roller shutter moves to the extreme position and then returns to the set position.
4. The roller shutter is controlled by constantly applying power supply to a given direction of roller shutter operation.

NOTE:

- Steps to follow after registering and adding the module to the Sinum Central device, in the module settings
[Settings > Devices > SBUS Devices > (on the device tile)]:



1. choose the type of blinds you have: blackout or tilting
 2. when choosing a tilting roller blind, you should also select the tilt angle: 90o lub 180o
 3. perform calibration
- Pressing the button **1** initiates the calibration process.
 - The tolerance between the height set in the Sinum application and the actual roller blind height level can be max. 5%.
 - When a newer version of the device software is available [**Settings > Update center > SBUS Devices**] , you can update it.

CONTROL OF THE TILTING SHUTTER

While holding the roller shutter up/down button:

- less than 1.5 seconds – change the angle of the roller shutter elements
- over 1.5 seconds – change of the roller shutter opening level

Description

-  Power supply
-  Communication
- **1-2** 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 **(3)** , 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 **(2)** on the device. After a properly completed registration process, an appropriate message will appear on the screen. Additionally, 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	1W
Operation temperature	5°C ÷ 50°C
Rated load of the voltage-free contact 1-2	230V AC / 0,5A (AC1)*
Acceptable ambient relative humidity	<80% REL.H

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 modul PSZ-02m 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 60669-1:2018-04
- PN-EN 60669-1:2018-04/AC:2020-04E
- PN-EN 60669-2-5:2016-12
- EN IEC 63000:2018 RoHS Wieprz, 01.08.2023


Paweł Jura
Janusz Master

Prezesi firmy

Customer Support

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

<http://www.techsterowniki.pl/manuals>



<http://www.tech-controllers.com/manuals>



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PSZ-02m Wired Relay Module, PSZ-02m, Wired Relay Module, Relay Module

References

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- [Intelligent heating, smart heating solutions - manufacturer of controllers | TECH Controllers](#)
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