

SW-10 lighting sensor

Description

The SW-10 cylindrical probe is designed for measuring light intensity in installations controlled by MROK-16SW or MROK-16SN twilight switches. It is designed for self-assembly and is equipped with a phototransistor that precisely responds to lighting changes within the range typical of dusk and dawn.

The SW-10 probe is mounted in a 10.5 mm diameter hole. The probe's connecting cables can be extended freely, making it easy to install in an optimal location, away from light sources controlled by the MROK-16SW automatic unit.

Principle of operation

The SW-10 sensor transmits light intensity information to the MROK-16SW control module. The phototransistor responds to changes in lighting, enabling the twilight switch to turn on the lighting when it drops below a set threshold (dusk) and turn it off when it rises (dawn).



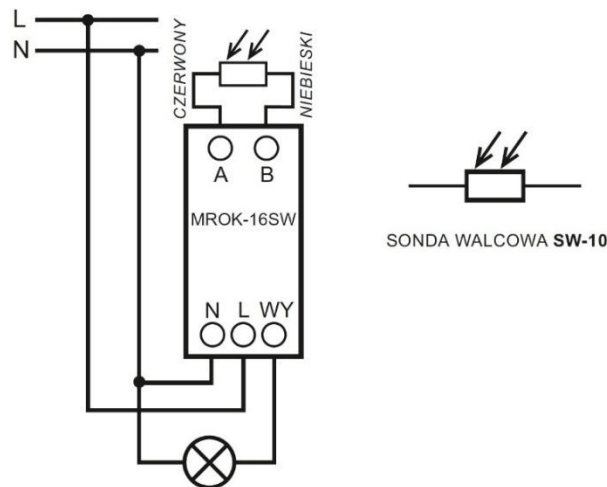
Technical data

Parameter name	Value
Case	Hermetic, made of ABS plastic
Installation	Mounts in a 10.5 mm diameter hole
Mass	9 g

Parameter name	Value
Light sensor (photoelement)	Phototransistor
Additional information	The SW-10 probe is designed for use with twilight switch: MROK-16SW; MROK-16SN
Connection	Connection cables (length 0.5 m) with the possibility of any extension

Full technical specifications are available on the website www.pollin.pl/do-pobrania or by scanning the QR code provided in the warranty and guarantee section.

Connection diagram



Installation

The SW-10 cylindrical probe must be installed in accordance with applicable electrical installation standards and regulations. The following guidelines are intended to ensure the installer's safety and the proper operation of the device:

1. **Authorizations** - The device may only be installed by a person with appropriate qualifications and authorizations to work on electrical installations.
2. **Disconnecting the power supply** - Before starting any work, it is essential to disconnect the power supply at the distribution board and make sure that the circuit is voltage-free (e.g. using a voltage indicator).
3. **Personal Protection** - The installer should use personal protective equipment such as electrically insulating gloves and safety glasses.
4. **Mechanical installation** – The SW-10 light sensor is designed for installation in a 10.5 mm diameter hole. It should be mounted perpendicular to a building facade, for example, and in a location that is not illuminated by the included light source or other lighting (except when the user requires detection of artificial lighting).
5. **Connecting the cables** - Connections should be made in accordance with the wiring diagram provided by the manufacturer.
6. **Checking the connections** - After completing the installation, carefully check the correctness of all connections, make sure that the terminals are securely tightened and that there are no exposed wires that could cause a short circuit or a shock hazard.
7. **Restoring Power** - After completing the installation and inspection, turn on the power and check the operation of the device according to the instructions.
8. **Testing** - After assembly, verify the device's proper operation. To verify its operation, cover the probe tightly, for example, with a cardboard box or a dark, thick cloth. Covering only the probe's "eye," for example, with a finger, is insufficient, as sunlight is very intense and penetrates the photoelement through the plastic housing and human skin.

No Modifications - Any modifications to the device or its components are prohibited. This may result in malfunctions and a safety hazard.

Warranty and guarantee – short information

The warranty applies to every purchaser, including consumers. Warranty claims should be directed to the seller from whom the purchase was made.

If a defect is found in the device, the customer has the right to choose: he or she can use the statutory warranty (in accordance with the provisions of the Civil Code) or the manufacturer's warranty.



Pollin Guarantee



Pollin devices are covered by a 10-year manufacturer's warranty – Zakład Elektroniczny POLLIN Wojciech Polak. The warranty applies only to devices purchased by businesses and covers material and manufacturing defects.

Warranty claims should be submitted by e-mail to: pollin@pollin.pl, in accordance with the procedure described in the full version of the document.

The warranty does not cover, among other things, mechanical damage, unauthorized modifications, installation by unqualified persons and natural wear and tear of consumables.

The full text of the warranty terms is available at: <https://pollin.pl/do-pobrania> or via the attached QR code.

Markings



This symbol on a device indicates that the used equipment should not be disposed of with other household waste. Used equipment should be taken to one of the designated electronic waste collection points or returned to the store when purchasing new equipment. Improper disposal of electronic waste poses a threat to the environment and human health.



The CE marking confirms that the product meets the essential requirements of all applicable European Union directives and regulations.



This marking indicates that installation, connection and all servicing of the device may only be performed by qualified personnel with electrical qualifications.

Technical support – the fastest help from Pollin experts

If you have any questions regarding the operation, configuration or installation of the device, **please contact us by email – this is the fastest way to obtain technical support**.

Send a message to: support@pollin.pl, describe the problem in detail and leave your contact number and the hours when we can call you.

Our engineers will review your request and make every effort to provide you with professional assistance as quickly as possible.



Pollin Automation – Technology That Works for You

Want to talk to the sales department?

Use the telephone contact – the number can be found at <https://pollin.pl/>.

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