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## AZH-LED

Twilight switch,  
hermetic



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### Do not dispose of this device in the trash along with other waste!

According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.



## Purpose

The AZH-LED is a twilight switch with a built-in light sensor, enclosed in a hermetically sealed housing and specially adapted to switch on the LED lighting. By using a switching element that guarantees correct operation with current pulses up to 160 A and additional components responsible for surge suppression, the AZH-LED will successfully manage to switch on and off the LED lighting, despite its energy efficiency, generates strong current surges when switched on, effectively destroying classic relays.

## Functioning

The twilight switch should be placed in a place with constant access to natural light, which by changing its intensity will cause the lighting to switch on and off. The time of switch-on of the lighting can be set by the user using the potentiometer. Rotation towards the "moon" – will switch on the lighting later, rotation towards the "sun" – will switch it on earlier. The twilight switch has a system that delays switching on and off of the lighting, thus reducing the impact of various disturbances (such

as atmospheric discharges) on the operation of the machine.

## Mounting

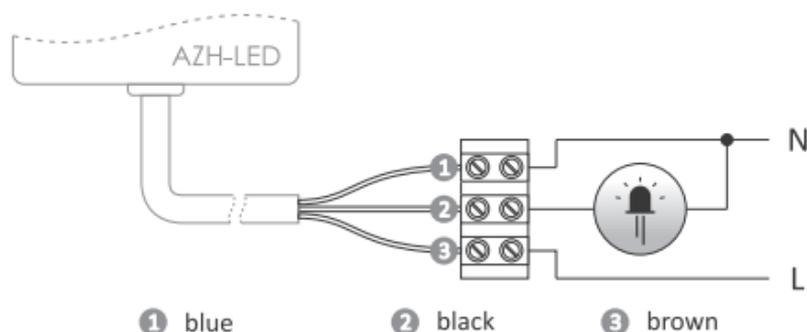
1. Turn off the power supply.
2. Fix the twilight switch vertically (with the cable facing down) to the ground with two screws in a place that is not illuminated by the switched (or other) light source.
3. Connect the wires according to the diagram. Insulate well the connection point of power supply cables with the cables of a twilight switch or connect them in a hermetic distribution box.
4. Remove the rubber stopper that secures access to the potentiometer.
5. Use a screwdriver to set the tripping threshold.
6. After adjustment, insert the rubber stopper back into place.



When checking the operation of the twilight switch, cover the entire device tightly, for example with a cardboard box or a dark, thick fabric. Covering only the "eye" of the probe, for example, with a finger, is not enough, as the intensity of sunlight is very strong and penetrates the photoelement through the plastic housing and human body.

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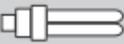
## Connection diagram



## Technical data

power supply	195÷253 V AC
maximum load current (AC-1)	10 A
switch-on threshold (adjustable)	2÷1000 lx
hysteresis	approx. 15 lx
activation delay	approx. 10 s
deactivation delay	approx. 20 s
resistance to current shocks	160 A/20 ms
power consumption	0.56 W
terminal	OMY 3×0.75 mm <sup>2</sup> , l = 0.8 m
working temperature	-25÷50°C
dimensions	50×67×26 mm
mounting	surface
protection level	IP65

## Power table

				
tungsten	halogen	fluorescent	energy-saving	LED
1500 W	1000 W	500 W	300 W	300 W

The above data are indicative and will heavily depend on the design of a specific receiver (that is especially important for LED bulbs, energy-saving lamps, electronic transformers and pulse power supply units), switching frequency and operating conditions.

For more information visit: [www.fif.com.pl](http://www.fif.com.pl).

## Warranty

The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us.

## CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE. The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at [www.fif.com.pl](http://www.fif.com.pl) on the product page.