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**LIGHT DEPENDENT RELAY  
 with external hermetic probe**

**AZH-S  
 12V**

**WARRANTY.** The F&F products are covered by the 24 months warranty from date of purchase. Effective only with proof of purchase. Contact your dealer or directly from us. For more information on the procedures for filing complaints on: [www.fif.com.pl/reklamacja](http://www.fif.com.pl/reklamacja)



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**

Light dependent relay servers to switch -ON the lighting of streets, squares, shop windows, neon lamps etc., at twilight and to switch -OFF afore mentioned lighting at dawn.

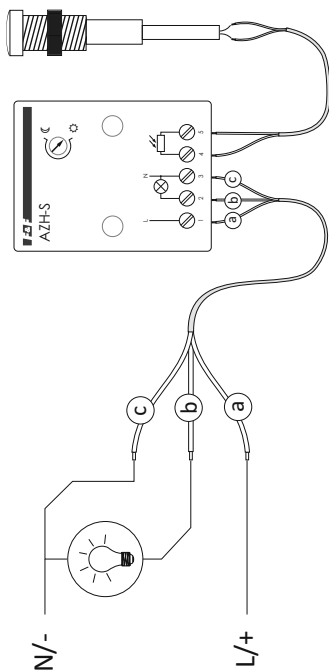
**FUNCTIONING**

The relay should be situated at place with permanent access to day light, which, due to its changes of intensity, will cause switching ON and OFF the lighting. The exact time of switching the lighting can be set by potentiometer by the user. Turn in the direction of „half moon” will delay switching-ON, turning in the direction of „sun” will advance switching-ON. The relay is equipped with a delay system, which delays switching ON and OFF the lighting, thus eliminating the influence of accidental disturbances like thunder lightings on the relay functioning.

**ASSEMBLY**

1. To turn OFF supply.
2. The relay fast upright (connection to down) to the substrate by two screws.

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Connection diagram

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3. The probe fast at place with permanent access to day light, which due to its changes of intensity, will cause switching ON and OFF the lighting.
4. Connect the relay to instalation with connection diagram.
5. Set to switching threshold on the relay scale.

**ATTENTION!**

In the case of check the power to act the relay, all relay should be securely covered, e.g. by carton or dark mine cloth. Covered just probe „eye”, e.g. by finger is insufficient because intensity of day light is very intense and penetrate to fotoresistor by the plastic box and human body.

**TECHNICAL DATA**

|                                       |                                    |
|---------------------------------------|------------------------------------|
| supply                                | 12V AC/DC                          |
| current load                          | <16A                               |
| switching threshold (setting range)   | 2±1000Lx                           |
| switching threshold (factory setting) | aprox. 7Lx                         |
| histeresis                            | aprox. 15Lx                        |
| switching ON delay                    | 1±15s                              |
| switching OFF delay                   | 10±30s                             |
| power consumption                     | 0,8W                               |
| connection                            | screw terminals 2,5mm <sup>2</sup> |
| working temperature                   | -25±50°C                           |
| dimensions                            | 50×67×26mm                         |
| fixing                                | two screws to substrate            |
| protection level:                     |                                    |
| relay                                 | IP20                               |
| probe                                 | IP65                               |

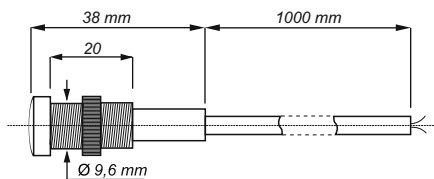
**Power of receivers**

|          |         |             |      |      |
|----------|---------|-------------|------|------|
|          |         |             |      |      |
| tungsten | halogen | fluorescent | ESL  | LED  |
| 2300W    | 1500W   | 750W        | 450W | 450W |

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**External hermetic probe Ø10**

Small, easy in assembly optical sensor usually including 1 meter wire with possibility to extend (up to 10 meters). The wiring have to be done in hermetic box or in place insulated of weather conditions.



**ATTENTION!**

Lead probe wires along the power line network and conducting large currents is prohibited.

D140527

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