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AZH-S PLUS

LIGHT DEPENDENT RELAYS with external hermetic probe



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F&F products are covered by an 24 months warranty from date of purchase

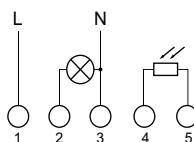
PURPOSE

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

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.

WIRING DIAGRAM



ASSEMBLY

1. The relay fast upright (connection to down) to the substrate by two screws.
2. The relay fast at place with permanent access to day light, which due to its changes of intensity, will cause switching ON and OFF the lighting.
3. To turn OFF supply.
4. Connect the relay to instalation with wiring diagram.
5. Set to switching threshold on the relay scale.

ATTENTION!

If the long of power cable is more than 10 metre the probe cable shouldn't be fastened near of the power cable or conductive a large current.

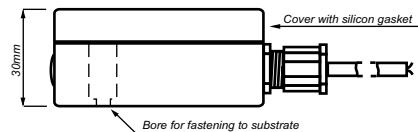
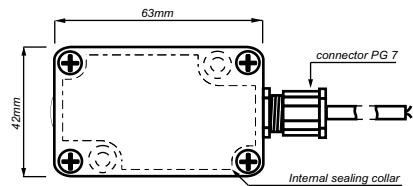
In the case of check the power to act the relay, all relay should be securely covered, e.g. by carton or dark mine cloth. Covered just probe "eye", e.g. by finger is insufficient because intensity of day light is very intense and penetrate to fotoresistor by the plastic box and human body.

TECHNICAL DATA

| | |
|---------------------------------------|------------------------------------|
| supply | 230VAC |
| current load | <16A |
| switching threshold (setting range) | 2÷1000Lx |
| switching threshold (factory setting) | aprox. 7Lx |
| histeresis | aprox. 15Lx |
| switching ON delay | 1÷15sec |
| switching OFF delay | 10÷30sec |
| power consumption | 0,8W |
| connection | screw terminals 2,5mm ² |
| working temperature | -25÷50°C |
| dimensions | 50×67×26mm |
| fixing | two screws to substrate |
| protection level of probe | IP65 |

External hermetic probe "PLUS"

Optical sensor in special small box connected by connector PG 7 with round cable Ø7mm (e.g. OMY, OWY 2×0,5mm²) of lenght acc to necessity, Box with special sealing flange, fastened to substrate by two screws, closed by a cover with silicon gasket and tightened by 4 screws.



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