Day / Night Sensor

DNS10

Instruction

The DNS10 Day/Night Sensor can automatically turn on or off lights at dusk and dawn. It is not only convenient but also practical; it can control the lighting loads by working only at night.

Examples of use are street lights, office lights, warehouse and factory lights, garden lights, etc.

SPECIFICATION

Power source: 220V – 240V/AC

Rated Current: 10A

Working Temperature: -20^0 to +40 ^{0}

Power Frequency: 50Hz

Ambient Light: <5LUX to 50 LUX(adjustable)

Working Humidity: <93%RH

INSTALLATION

➢ To Install the DNS10 to a flat surface, connect the plastic bracket to the photocell's main body as indicated in Figure A. For pole mounting a gland or conduit connector can be screwed into the base of the sensor.

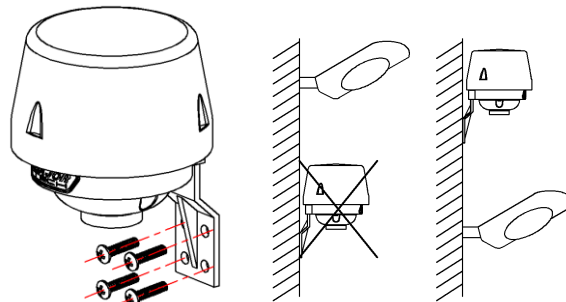➢ Ensure the DNS25 is installed above the light fitting as indicated in the diagram.

Figure A   Incorrect   Correct

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➢ Ensure power is switch off.

➢ Connect the wires as per the wiring diagram.

L - Live in
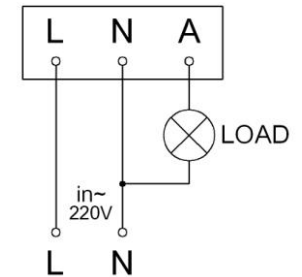
N - Neutral In

A - Output to Lamp (Load)

TEST

➢ Switch on the power.

➢ Place the enclosed black plastic bag in the packing over the opaque (white) cover

➢ With the bag covering the photocell which is situated under the opaque (white) cover, thus simulating darkness, this then automatically turns the lamp on.

➢ When the bag is removed from the opaque cover, it turns the lamp off automatically.

NOTE

➢ In order for natural light control the photocell, there should be no obstruction in front of the opaque (white) cover

➢ No moving or swaying objects must be in front of the photocell.

Note: On and off levels can be set with the adjustable LUX knob which can adjust the light intensity to which the photocell will operate. When you turn LUX knob clockwise to (-) position, the LUX can be set to less than 5LUX, when turning LUX knob anticlockwise to (+) position, the LUX can be set to a maximum of 50LUX.

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