

RolloTec precipitation sensor
Order-No. : 183 01

Operation- and Assembly Instructions

1 Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Danger of electric shock. Risk of injury from automatic movement of blinds/shutters. Always disconnect before carrying out work on the device or load.

Danger of electric shock. Insulate unused wires.

Risk of injury from hot surfaces. The integrated heater can cause the sensor surface to reach high temperatures. Do not touch the sensor surface.

The sensor surface is delicate; protect it when handling the device. Clean the sensor surface only with mild cleaning agents. Sensor surface can be damaged.

These instructions are an integral part of the product, and must remain with the end customer.

2 Device components

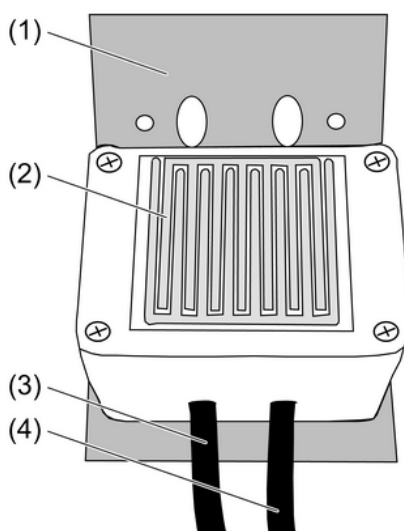


Figure 1

- (1) Mounting bracket
- (2) Sensor surface
- (3) Power cable
- (4) Control cable

3 Function

Intended use

- Sensor for detection and evaluation of precipitation
- In connection with blind/shutter controllers, enables, e.g. the retraction of awnings when it begins to rain.
- Surface-mounted device for outdoor installation

Product characteristics

- Serpentine-shaped sensor surface detects wetting due to precipitation.
- Change-over relay remains switched on until the sensor is dry again. For at least 10 minutes.
- Integrated heater speeds up the drying of the sensor surface and melts snow and ice.

4 Information for electrically skilled persons

4.1 Fitting and electrical connection

Fitting the device

The 110° mounting bracket ensures an optimal mounting position at all times for mounting on vertical walls. The mounting bracket can be installed on a mast using the supplied clamp.

- Mount the precipitation sensor in such a way that rain can reach it in an unobstructed manner.

Connecting the device



DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Before working on the device, disconnect all the corresponding miniature circuit breakers. Cover up live parts in the working environment.

Connected to the precipitation sensor are two PVC hose lines with numbered wires.

Control cable (4)

Wire 1: NC contact

Wire 2: centre contact

Wire 3: NO contact

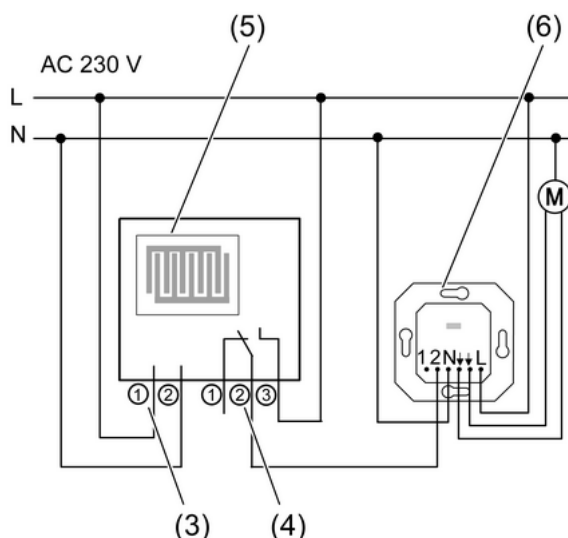


Figure 2: Example for connection of precipitation sensor to blind/shutter controller (6)

- Connect mains cable (3) and control cable (4) of the precipitation sensor (5) as shown in the connection example (Figure 2). Wire 3 of the control cable should be connected to the outer conductor so that no voltage is present on the free wire 1.

i The change-over contact can be used for either 230 V or for safety extra-low voltage.

5 Appendix

5.1 Technical data

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Power consumption	max. 4.5 W (incl. additional heating)
Current consumption	approx. 15 mA (with preheating)
Ambient temperature	-30 ... +70 °C
Safety class	II
Protection rating	IP 65
Breaking capacity	max. 1500 W (ohmic)
Switching current for AC 250V~	6 A
Contact type	μ contact, potential-free change-over contact
Dimensions WxHxD	130×90×90 mm (incl. mounting bracket)
Weight	approx. 600 g (incl. mounting bracket)
Connection cable	
Power cable	JZ-600, 2×0.75 mm ² , 3 m
Control cable	JZ-600, 3×0.75 mm ² , 3 m
Switch-off delay	approx. 10 min

5.2 Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

Our products are under guarantee within the scope of the statutory provisions.

If you have a warranty claim, please contact the point of sale or ship the device postage free with a description of the fault to the appropriate regional representative.

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