Vestamatic

RD -20 °C

Art.-no.:
010825

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Professional sensor devices for buildings.

Installation and Operating Instructions

Short description

- Rain, snow and frost detector
- For protecting outdoor shades
- Measuring procedure: capacitance comparison measurement
- Rain detection at external temperatures above +1°C
- Snow detection at external temperatures between +1°C and -20°C
- Frost detection at external temperatures below -20°C
- Adjustable sensitivity
- Heated sensor surface for trouble-free operation during winter

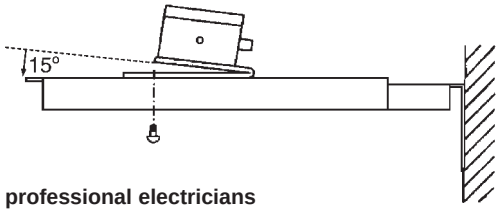
Technical data

Power supply:	12 to 16VDC
Current input:	< 350 mA
IP class:	IP 65
Recommended conductor cross-section:	4 × 0.5 mm² (6 × 0.5 mm²)
Maximum wire length: (rain sensor → control unit)	100 m
Operating temperature:	-30 °C (-22 °F) to +70 °C (158 °F)
Dimensions (L × W × H):	82 × 80 × 55 mm
Mark of conformity:	CE

Assembly and installation

WARNING!
– When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.

For the installation, we recommend our aluminum mounting bracket, article-no. 01100510. The sensor has to be mounted with the sensor surface facing the weather side and not lee to other objects, such as trees, awnings etc. Dripping rain water can delay switching back to normal operation or cause permanent switching on and off. The inclination should amount to approx. 15 degrees in order to ensure faster run-off of large water drops. The sensor must only be connected from the bottom. The pre-mounted angle-support allows to install the rain sensor on horizontal surfaces or a mounting bracket.



Notes for professional electricians

1. Switch off the control power supply.
2. Mount sensor in a suitable position.
3. Remove the housing cover of the rain sensor.
4. Penetrate power supply wires and connect them to rain sensor and control according to the control wiring diagram.
5. Set the desired sensitivity.
6. Mount the housing cover.
7. Switch on the control power supply.
8. Check the sensor function.

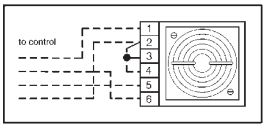
Safety precautions

– Please note, that the rain sensor may only be used with Vestamatic control units.
– Check the rain sensor for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the control system and notify your supplier immediately.
– The rain sensor should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.
– If the control unit cannot be operated without presenting a hazard, it must be switched off and prevented from being switched on unintentionally.
– When performing work on the windows, controls or connected shades, protect them against unauthorised or unintentional operation.

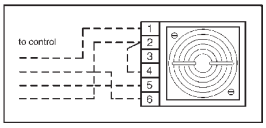
Setting the sensitivity

If the rain sensor is connected to a central control, such as UNI 12 / UNI 22 by means of 4-core cables, the sensitivity wiring is to be selected at the rain sensor terminals as follows:

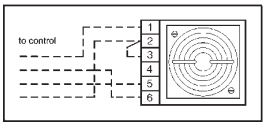
low sensitive:



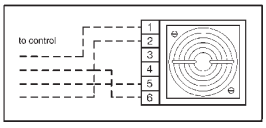
normal:



sensitive:



high sensitive:



If the rain sensor is connected to a central control, such as Vesta Building Controller by means of 6-core cables, the sensitivity wiring has to be selected, when the control unit is configured. Please refer to the corresponding section in the respective operating instructions for the control unit.

Cleaning

The device is almost maintenance-free. In case of excess contamination, the sensor can be cleaned with commercially available household cleaning agents without aggressive or abrasive additives.

The disposal of electrical equipment and batteries in household waste is strictly forbidden.

The symbol (dustbin crossed out, in line with WEEE Appendix IV) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.

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Subject to modifications.