

## SA 10 RAIN SENSOR

SA 10 is a rain sensor made for HVAC applications for detecting and monitoring rain.

There are two outputs. Contact output indicating the start of the rain and the 0-10V signal indicating the strength of the rain.

The contact of the relay is closing when the output signal exceeds the level of 1 V, corresponding weak rain (< 0,5 mm / h).

Relay is releasing after 5 minutes delay when the sensor surface is dry again.

There inside the housing is situated an internal automatic heating resistor preventing water freezing on the sensor surface in winter time.

Note! Sensor detects also snow. If the snow is "dry" and falls with a strong wind it cannot be detected.

Sensor can be installed on the wall by screws or on the mast by the band included in the package. It must be possible to clean the sensor surface if necessary. Depending on the circumstances cleaning is recommended at least once a year. Please clean the sensor by a cloth wetted with a mild washing liquid.



### Technical data:

Supply	24 Vac/dc (22-28Vac/dc), < 5 VA
Range	weak rain, 1 V, < 0,5mm/h normal rain, 2...3V heavy rain, 3...10V
Output	0...10 V, < 2mA
Relay contact	normally open contact 60Vdc 0.1A contact is closing when output > 1.0V, releasing delay 5 minutes
Ambient temperature	-40...50 °C
Heating	built-in
Mounting	by a band to the mast (ø 25-60 mm) or by screws on the wall, hole distance 68 mm
Casing	IP 54
Materials	PBT, PC, PA and painted steel
Terminals	1,5 mm <sup>2</sup>
Dimensions w x h x d	93 x 90 x 130 mm

### Wiring:

1	supply 24 Vac/dc
2	0 V
3	output 0...10 V
4...5	normally open contact (NO) 60Vdc, 0.1A

### Ordering guide:

Model	Product number	Description
SA 10	1187100	rain sensor

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