



OMC-270 Precipitation Monitor

## Datasheet

# OMC-270 Precipitation Monitor

It can be used for status report, or as signal transmitter for the control of rain protection devices, such as windows, awnings, or Venetian blinds. The precipitation is detected opto-electronically via a measuring area of approx. 25 cm<sup>2</sup>.

A relay-contact signalises the state of precipitation. (Precipitation yes/no). Integrated heating avoids snow covering or freezing of the instrument during winter operation.

Delivery including mast holder, which can be used for wall mounting as well.

### Features

- Rain detector
- IR light principle
- Equipped with 'event filter'
- Heating available
- Relay contact yes/no
- Easy installation

## Mode of Operation

Precipitation in the form of drizzle, rain, snow, or hail falls through a light band, induced by light diodes, and lead to shadowing effects on the receiving side. The sent light is pulse-modulated so that outside light effects cannot falsify the measurement results.

The instrument is equipped with a heating system for extreme weather condition. This avoids ice and snow forming on the housing surface. In addition, the surface retains a temperature of  $>0^{\circ}$  by means of a regulated heating.

## Data summary

### Measuring principle

- Optical, infrared photo sensor

### Data output

- Precipitation yes/no
- single-pole double throw switch
- Contact load 230 VAC/DC, 4A
- switch-on condition 1-15 incid. within 50 s adjustable
- switch-off condition 25-375 s in 25 s, steps adjustable

### Active sensor surface

- 25 cm<sup>2</sup>
- drop size  $>0,2$  mm

### Operating voltage

- 24 V AC/DC  $\pm 15$  %
- Operating current approx. 70 mA

### Heating current

- max. 1 A

### Ambient temperature range

- -30 ... +60°C

### Protection

- IP 65 acc. to DIN 40050

### EMV

- EN 61321-1 with EN 61000-4-3

### Weight

- 0,4 kg

### Dimension

- 130x140x40mm

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