

RAIN SENSOR MODEL 204

Measurement principle

This rain sensor has been developed for the detection of precipitation like rain and snow. When precipitation falls on the green sensor surface the output (Open collector) will switch on to GND (Ground).

The green coating is especially developed for protection against copper (or other metal) and other kinds of pollution.

The rain sensor is equipped with a circuit that heats the surface a few degrees above ambient temperature. This assures that the rain sensor is not sensitive for fog and dew, also it will help drying the surface after the precipitation has stopped falling (and output will switch faster to "no precipitation").

The rain sensor can be equipped with a wind shield (option), which prevents the wind from interfering with the measurements.



TECHNICAL SPECIFICATIONS: RAIN SENSOR MODEL 204

Sensor:	Capacitive sensor with heating and special green coating (insensitive for copper and pollution).
Material:	Polycarbonate
Dimensions:	80 x 80 x 55 mm
Weight:	ca. 0.2 kg
Supply voltage:	12 VDC / 400 mA max.
Operating range:	Precipitation / no precipitation
Outputsignal:	Open Collector (high = no precipitation, low = precipitation).
Operating temperature:	-20...+50°C
Option:	Wind shield to avoid disturbance by the wind.
Warranty:	1 year