

Rain sensor RS



Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

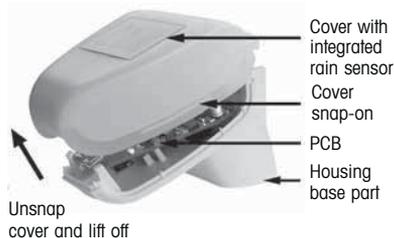
Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.



Installation instructions

The rain sensor may only be operated as a fixed device, i.e. only in mounted state and after completion of all installation and startup work. It may only control the sensor relay LRW12D-UC.

Powered by power supply unit SNT12-230V/24V DC-0,5A at the terminals + and -.

The power supply line of the rain sensor may be max. 100m long. Connection is per commercial telephone wire (J-Y(ST)Y 2x2x0.8 or equivalent). Do not open the rain sensor if water (rain) can penetrate: Even a few drops will render it unusable. Wiring the terminal incorrectly may destroy the rain sensor or any electronic devices connected to it. Make sure the terminals are wired correctly: terminals RS and GND correspond to terminals RS and GND on the LRW12D-UC.

LED signification:

Green LED on = power supply OK

Yellow LED off = no rain

Yellow LED on = rain

To make it easier to fit, wire up the rain sensor completely and close the cover tight before you snap it onto the mount fixed to the wall.

When fitting, make sure you do not rip off or bend the wire connection between the PCB and the rain sensor.

Location

Select a mounting position on the building where the rain will be detected properly. Do not place any structural parts above the rain sensor from which water can drip onto the rain sensor after it has stopped raining or snowing.

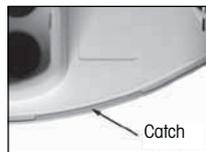
Mounting preparation

First fix the wall mount vertically to the wall or pole. The bore holes should have a spacing of 22 mm and a diameter of 5 mm. Snap on the cover of the rain sensor using the catches on the bottom left and right edges. Remove the cover from the rain sensor. Take care not to rip off the wires connecting the PCB in the bottom part and the rain sensor in the cover (wire and connector).

Feed the connecting wire through the rubber seal on the bottom of the rain sensor and connect to the terminals provided.

Mounting

Close the housing by fitting the cover over the bottom part. The cover must engage on the left and right with a distinct "click".



Check whether the cover and bottom part are correctly engaged. The figure shows the rain sensor from below.

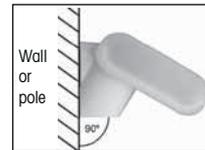


Push the housing from above into the mount fitted to the wall. The mount catches must engage in the housing rails.

To remove, lift the rain sensor out of the mount by pulling it against the resistance of the catches.

The rain sensor contains a combined wall/pole mount. On delivery, the mount is fixed to the rear of the housing by adhesive strips.

Fix the mount vertically to the wall or pole.



The rain sensor must be attached to a vertical wall (or a pole).



The rain sensor must be mounted horizontally in a transverse position.

Must be kept for later use!

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