



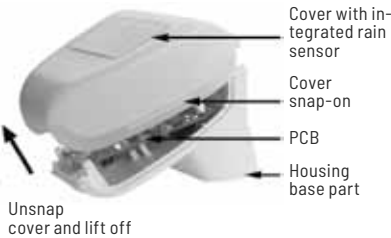
20 000 087 - 1

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:  
-30°C up to +50°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity:  
annual average value <75%.

The rain sensor RS reports rain to the sensor relay LRW12D connected in series once per second. A standard telephone wire is sufficient as connecting lead: J-Y(ST)Y 2 x 2 x 0.8 or equivalent. 100 m line length is permitted. Solid plastic housing, l x w x h = 118 x 96 x 77 mm. Protection degree IP44. Temperature at mounting location -30°C to +50°C. A power supply unit SNT61-230V/24V DC or SNT12-230V/24V DC (chapter 17) is required for the power supply, including heating of the rain sensor (1.2 W). An LED lights up green when the supply voltage is applied and lights up yellow for rain.



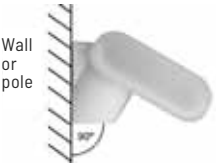
Connection of the sensor

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. Power supply 24 V DC at terminals + and -. The RS and GND terminals correspond to the RS and GND terminals of the LRW12D-UC. Danger! Incorrect connection can lead to the destruction of the rain sensor or electronic devices connected to it. Close the housing by fitting the cover over the bottom part. The cover must engage on the left and right with a distinct „click“.

Mounting 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.



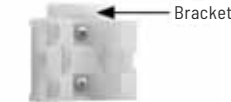
The rain sensor must be attached to a vertical wall (or a pole).



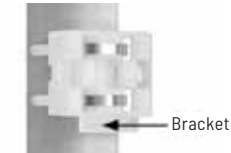
The rain sensor must be mounted horizontally in a transverse position.

Mounting the holder

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 bore holes should have a spacing of 22 mm and a diameter of 5 mm.



For wall mounting: flat side to the wall, crescent-shaped bracket upwards.



For mast mounting: curved side to the mast, bracket downwards.

Sensor mounting

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.



Manuals and documents in further languages:



<http://eltako.com/redirect/RS>



**Must be kept for later use!**

**Eltako GmbH**  
D-70736 Fellbach  
**Technical Support English:**  
☎ +49 711 943 500 25  
✉ [technical-support@eltako.de](mailto:technical-support@eltako.de)  
[eltako.com](http://eltako.com)

04/2023 Subject to change without notice.