HC-WSLRW-00

Installation, testing, operational start-up and troubleshooting should only be performed by an electrician.

Technical specifications

Housing	Plastic material
Colour	White / translucent
Mounting	On-wall
Protection category	IP 44
Dimensions	approx. 96 × 77 × 118 (W × H × D, mm)
Weight	approx. 160 g
Ambient temperature	Operation -30...+50°C, Storage -30...+70°C
Operating voltage	24 V DC
Current	max. 120 mA, residual ripple 10%
Data output	RS485
Heating rain sensor	approx. 1.2 W
Measurement range temperature	-40...+80°C
Measurement range wind	0...70 m/s
Measurement range brightnes	0...99.000 lux

Installation and commissioning

The device is only to be used for its intended purpose. Any improper modification or failure to follow the operating instructions voids any and all warranty and guarantee claims.
After unpacking the device, check it immediately for possible mechanical damage. If it has been damaged in transport, inform the supplier immediately.
The device may only be used as a fixed-site installation; that means only when assembled and after conclusion of all installation and operational start-up tasks and only in the surroundings designated for it.
Elsner Elektronik is not liable for any changes in norms and standards which may occur after publication of these operating instructions.
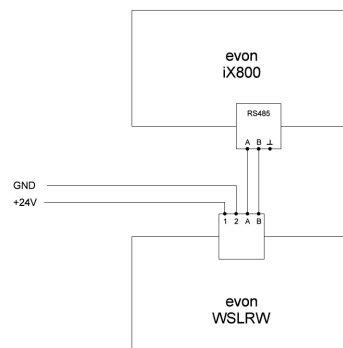

Unsnap cover and remove upwards

Fig. 11
1) Cover Snaps
2 Bottom part of housing

Wiring example:

When assembling , make sure that the temperature sensor (small PCB on the bottom of the housing) is not damaged . The cable connection between the blank and the rain sensor must not be torn or kinked at the terminal.

Installation position

Choose an installation position in the building where wind, rain and sun can be measured unhindered by the sensors. The weather station must not be installed underneath any structural parts from which water can still drip onto the rain sensor after it has stopped raining or snowing. The weather station must not be shaded by anything, such as building structures or trees. At least 60 cm of clearance must be left all round the weather station. This facilitates correct wind speed measurement without eddies. The distance concurrently prevents spray (raindrops hitting the device) or snow (snow penetration) from impairing the measurement. It also does not allow birds to bite it. Please take note that an extended awning does not shade the device from sun and wind. Temperature measurements can also be affected by external influences such as by warming or cooling of the building structure on which the sensor is mounted, (sunlight,heating or cold water pipes).

Attaching the mount

The sensor comes with a combination wall/pole mount. The mount comes adhered by adhesive strips to the rear side of the housing. Fasten the mount vertically onto the wall or pole.
When wall mounting: flat side on wall, crescent-shaped collar upward.
When pole mounting: curved side on pole, collar downward.

Mounting the sensor

Close the housing by putting the cover back over the bottom part. The cover must snap in on the left and right with a definite "click".
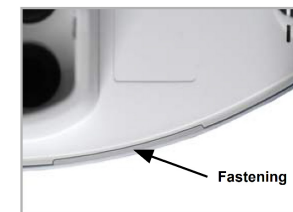
Fastening

Push the housing from above into the fastened mount. The bumps on the mount must snap into the rails in the housing.

Horizontal

90°
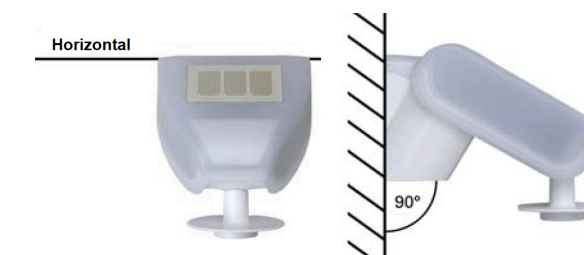
The weather station must be mounted on avertical wall (or a pole) and in the horizontal transverse direction (horizontally).

When installed on the northern hemisphere , the weather station must be oriented to the south . When installed in the southern hemisphere , the weather station must be oriented to the north .

Nord

Süd