

Multisensor MS



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

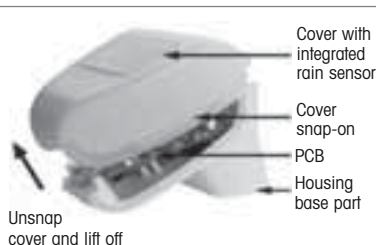
Temperature at mounting location:

-20°C up to +50°C.

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

Relative humidity:

annual average value <75%.



Installation instructions

The multisensor 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 a multifunctional sensor relays MSR12, the weather gateway FWG14MS or the Weather data transmitter module FWS61. The power supply is done by SNT12-230V/24VDC or SNT61-230V/24VDC.

The power supply line of the multisensor may be max. 100m long. Connection is per commercial telephone wire (J-Y(ST)Y 2x2x0.8 or equivalent). Do not open the multisensor if water (rain) can penetrate. Even a few drops will render it unusable.

Wiring the terminal incorrectly may destroy the multisensor or any electronic devices connected to it.

Take care of the correct connection!

Overview of the terminals

MS	MSR12	FWS61	FWG14MS
1 ->	MS1	1 (+)	+ from SNT
2 ->	MS2	2 (-)	- from SNT
A ->	MSA	A	RSA
B ->	MSB	B	RSB

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

When fitting, make sure you do not damage the temperature sensor (small PCB on the bottom of the housing). 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 wind, rain and sun will be detected properly. Do not place any structural parts above the multisensor from which water can drip onto the rain sensor after it has stopped raining or snowing. The multisensor may not be positioned in the shadow of building components or trees. Leave a clearance of at least 60cm under the multisensor to measure the wind correctly and prevent snow from covering the sensor.

Normally the multisensor should point south. If this is not possible due to local conditions, it may point in another direction. The weighting of the direction for light and twilight can be modified using the multifunctional sensor relay MSR12.

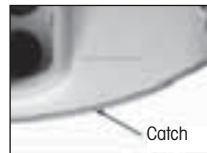
Mounting preparation

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 multisensor cover comprising the rain sensor using the catches on the bottom left and right edges. Remove the cover from the multisensor. 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 multisensor 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.



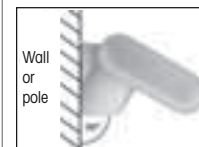
Check whether the cover and bottom part are correctly engaged. The figure shows the multisensor from below.



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 multisensor out of the mount by pulling it against the resistance of the catches.

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



The multisensor must be mounted horizontally in a transverse position.

Must be kept for later use!

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