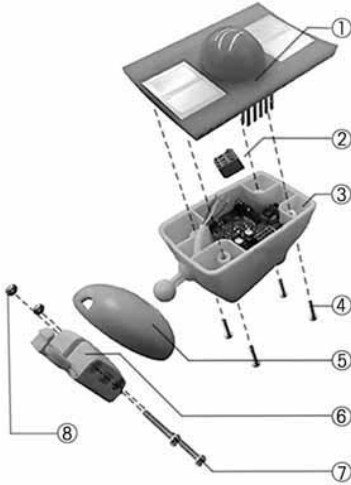


Multi Sensor MS



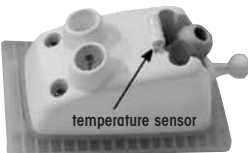
Installation instructions

The Multi Sensor MS may only be operated in fixed installation, i.e. only in mounted state, after completion of all installation and start-up work, and only for the control of Multi Sensor Relay MSR MSR12-8..230V UC. Power must be supplied by Power Supply Unit WNT12-24V DC/0.5A.

The power supply cable of the Multi Sensor MS may not be more than 100 m long. Wiring-up requires a standard telephone cable (J-Y(ST)Y 2x2x0.8 or similar). Do not open the Multi Sensor MS in conditions where water (rain) can penetrate it. Even a few drops will render the sensor unusable. Incorrect wiring may destroy the Multi Sensor MS or electronic equipment connected to it. Make sure that the wiring is correct: terminals MS1, MS2, MSA and MSB of the MSR12-8..230V UC correspond to terminals 1, 2, A and B.

To make installation easier, connect the Multi Sensor MS completely and close the cover tightly before inserting it in the wall bracket attached to the wall.

When installing, make sure you do not damage the components mounted on the housing, e.g. the ambient temperature sensor.



The temperature sensor is bonded to the bottom of the housing and the connecting wires are routed through a hole in the electronics inside the housing. Pressing or rotating the sensor may break off the

connecting wires, thus preventing the temperature measurement from functioning properly.

Location

Select an installation position on the building that allows the sensors to sense wind, rain and sun without hindrance. Do not affix any building parts above the Multi Sensor MS that could direct rainwater directly onto the rain sensor (no continuous rainwater trickle).

Make especially sure that the dome light of the cover (1) is not overshadowed by building parts or trees, for example. A free space of at least 60 cm must be left under the Multi Sensor MS to allow proper wind measurement and to prevent the sensor from being covered in snow.

Normally, the Multi Sensor MS should point south. If this is not possible due to local conditions, select any other point of the compass. The weighting of the compass point on light and twilight can be compensated by the Multi Sensor Relay MSR12.

Installation preparation

Press the two side halves (hemispherical recesses) of the bracket together to form a hollow sphere. Place the two nuts into the side half that has a hexagonal recess. Screw the stainless steel bolt (7) through the other side half into the hex nut (8). Turn the bolt only until the start of the bolt is flush with the hex nut (do not tighten under any circumstances). Open the cover of the MS by undoing the screws (4).

Installation

Attach the mounting bracket vertically. Guide the cable in the MS housing and wire up the Multi Sensor MS. For this purpose pull off the green 4-fold terminal block upwards. After guiding in the 4 conductors replace the terminal block and press on firmly. Put the cover on the bottom part and make sure that the plug-and-socket connection is plugged in correctly. No pin must be outside of the connector. Before screwing on the cover, check that the cover is correctly seated on the bottom part (the two parts must be fully seated). Screw in the screws (4). Tighten the screws to ensure water tightness. Then place the cover hood (5) on the housing (3) and insert the housing into the bracket (6) attached to the wall.

Alignment

Make sure that the Multi Sensor MS is tilted at an angle of approx. 45° (lengthways) from the horizontal. It must be installed horizontally in the transverse direction. Tighten the screws (7) moderately. Check the installation position again and correct if necessary. Clip on the bracket cover (5).

Warning

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.