

Order designation: Set RA 501
Set consisting of: Rain detector RS 501, wall unit Solo for WRF/RS and wind-rain module WR-MOD 501

Short description

The set RA 501 is a modular expansion of the smoke and heat ventilation control unit. The rain sensor RS 501 must be mounted at the main weather side at an unprotected location (lighting protection earthing). Several mounting options with special accessories can be performed. In the case of rain or snowfall, a switch signal is directed to the wind-rain module WR-MOD 501 in the smoke and heat ventilation control unit).

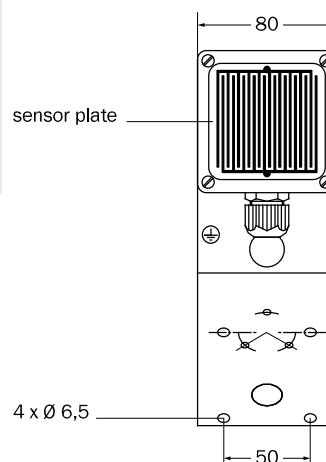
Rain sensor function

On the upper side of the rain sensor of the WRF 501 there is a corrosion-resistant sensor plate, which is connected to an alternating voltage of approx. 5 V. The sensor plate is electric, for the quick drying of the electrodes, e.g. after a rainfall. When rainwater gets onto the sensor surface, a signal is routed to the wind-rain module and a switching operation is activated.

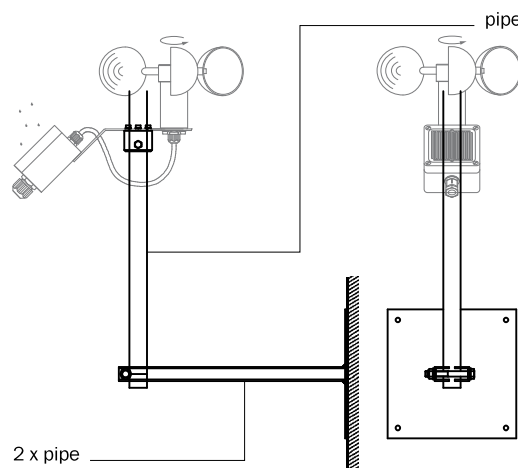
Rain sensor function control

When the sensor surface of the rain sensor is touched by a moistened hand, a rain message at the control unit is activated.

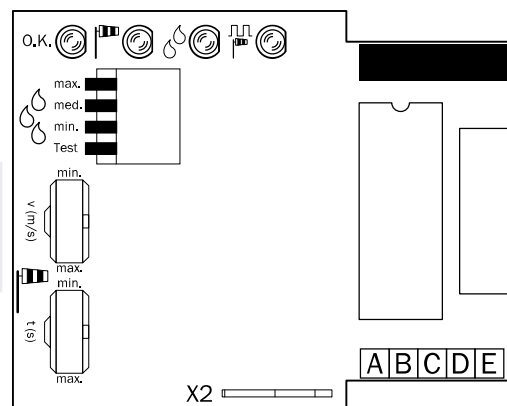
Rain sensor RS 501



Wall unit Solo for WRF/RS



Wind-rain-module WR-MOD 501



Maintenance

Rain sensor

The sensor plate must be cleaned annually, with a higher frequency in case of a strong environmental load, and eventually be exchanged or renewed.

Technical data

Type	Set RA 501
operating voltage	24 V DC
power consumption	approx. 2 W
temperature range	-20 °C to +80 °C
materials/housing	Rain sensor
colour	ABS, epoxy resin, galvanically gold-plated
	colour: grey, RAL 7035 (light grey)

Accessories

standing unit for WRF 401/RS 401	→chapter 11.4, page 421, „Standing Unit for WRF/RS“
wall unit Solo for WRF 401/RS 401	→chapter 11.4, page 422, „Wall Unit Solo for WRF/RS“
wall unit Duo for WRF 401/RS 401	→chapter 11.4, page 423, „Wall Unit Duo for WRF/RS“
wind-rain module WR-MOD 501	→chapter 11.4, page 414, „Wind-rain module WR-MOD 501“

Attention!

The grounding is performed in accordance with the valid installation instructions (When using our optional extras at the marked position).