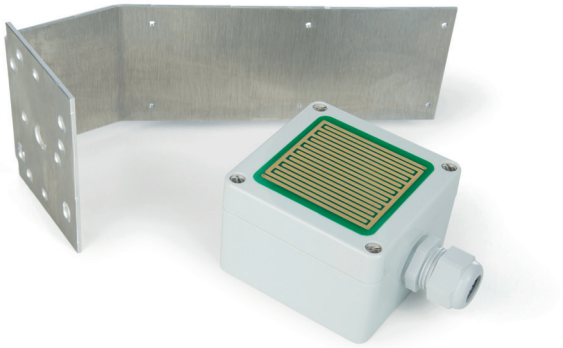
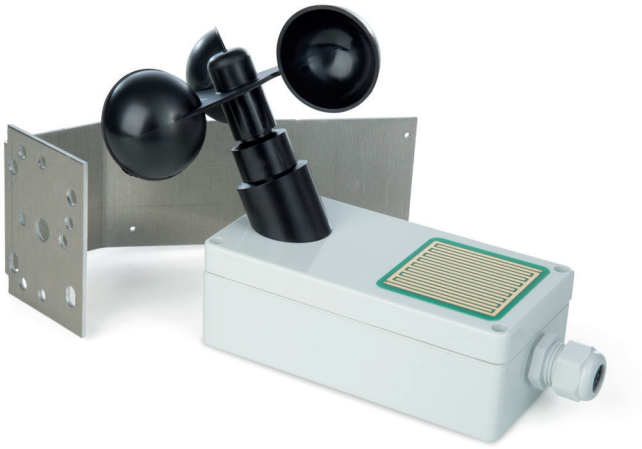
SMOKE MANAGEMENT SYSTEMS



WLA 331



WLA 330

WLA 330 / 331

Wind and rain sensors

Natural ventilation

Smoke ventilation

Application

- 24V sensor for the automatic closure of windows and light domes in the case of wind/rain
- complete with mounting brackets
- for direct control of smoke ventilation units and control units

WLA 330

Wind- / rain sensor

- compact wind/rain sensor
- wind speed measurement
- DIP switch for parameter setting
- CLOSED can be programmed for the event of a voltage failure

The wind/rain sensor comprises an anomemeter and a rain sensor surface.
The wind/rain sensor can be activated by a change-over-contact.

Measurement for wind: via wind wheel m/s
Measurement for rain: conductivity measurement on the heated sensor surface

The settings sensitivity and the delay are changeble.
The settings for the for sensor, for the wind trigger threshold, the activation delay, the drop out delay and the trip in the event of a mains failure are made by a six pole DIP switch in the sensor.

The wind and rain sensor is to be placed as high as possible however minimum 2 meters above the highest point of the building go give a true measuring.

WLA 331

Rain sensor

- compact rain sensor
- DIP switch for parameter setting
- automatic CLOSE in case of power failure (adjustable)

The rain sensor comprises a rain sensor surface.
The rain sensor can be activated by a change-over-contact.

Measurement principle for rain: conductivity measurement on the heated sensor surface

Special technical features:

- 24V AC/DC
- release via potential free change-over-contact
- WLA 330:
  - wind trigger threshold is adjustable
  - rain drop out delay is adjustable
  - wind activation delay is adjustable
  - wind drop out delay is adjustable
- WLA 331:
  - rain drop out delay is adjustable

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WLA 330 / 331

Wind and rain sensors

Technical specifications		
Rated voltage	18 - 26 VAC / 20 - 32 VDC	
Material	plastic housing	
Colour	grey	
Size	WLA 330 WLA 331	80 x 160 x 55mm (W x H x D) without anemometer 80 x 80 x 55mm (W x H x D)
Weight	WLA 330 WLA 331	ca. 0.7kg ca. 0.3kg
Circuit output	1 x potential free change over contact, 60V/2A	
Power consumption @ 24 VDC	**WLA 330 / WLA 331:** without rain: 45mA; wit rain: 65mA	
Setting for monitoring	off/on	
Setting for rain drop out delay	**WLA 330 / WLA 331:** 10min. / 20min.	
Setting for wind drop out delay	**WLA 330:** 10min. / 20min.	
Setting for wind activation delay	**WLA 330:** 2sec. / 5sec.	
Setting for wind trigger threshold	**WLA 330:** ca. 3 -14m/s (±20%)	
IP rating	IP65	
Delivery includes	sensor with mounting brackets	
Notice	we reserve the right to make technical changes	

Items	Item no.
Wind- / Rain sensor	WLA 330
Rain sensor	WLA 331

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