



## WLA 340 Wind and rain sensor



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
- compact wind/rain sensor

The wind/rain sensor comprises an anemometer and a rain sensor surface.

Measurement for wind: via wind wheel m/s

Measurement for rain: conductivity measurement on the heated sensor surface

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

### Specifications

- 24V AC/DC
- release via potential free change-over-contact (rain only)
- heated surface
- wind speed pulses for wind measurements
- open contact at rain
- close contact at rain

WLA 340

# Wind and rain sensor

Technical specifications	
Rated voltage	18 - 26 VAC / 20 - 32 VDC, 45 mA at idle, max. 60mA
Material	Plastic housing
Colour	Grey
Size	80 x 160 x 55mm (W x H x D) (without anemometer) 80 x 235 x 175mm (W x H x D) (with anemometer)
Weight	ca. 0.7kg
Circuit output	1NO, 1NC x potential free change over contact, 60V/2A
Rain drop out delay	10min.
IP rating	IP65
Delivery includes	Sensor with mounting brackets
Notice	We reserve the right to make technical changes

WLA 340 – Pulse		
<b>Pulse data</b> The pulse which the wind sensor transmits to the control unit / panel e.g. WCC 310/320 or FlexiSmoke™, depends on the measured wind speed. See table for the wind depending pulse.	<b>Wind speed [m/s]</b>	<b>Pulse [Hz]</b>
	1	2
	2	4
	3	6
	4	8
	5	10
	6	12
	7	14
	8	16
	9	18
	10	20
	11	22
	12	24
	13	26
	14	28
	15	30
16	32	

**Pulse explanation**

Wind speed [m/s]	Pulse [Hz]
1	2
2	4
3	6
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5	10
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7	14
8	16
9	18
10	20
11	22
12	24
13	26
14	28
15	30
16	32

Items	Item no.
Wind / Rain sensor, with pulse output, to FlexiSmoke™, CompactSmoke™ and WCC 310/320	WLA 340