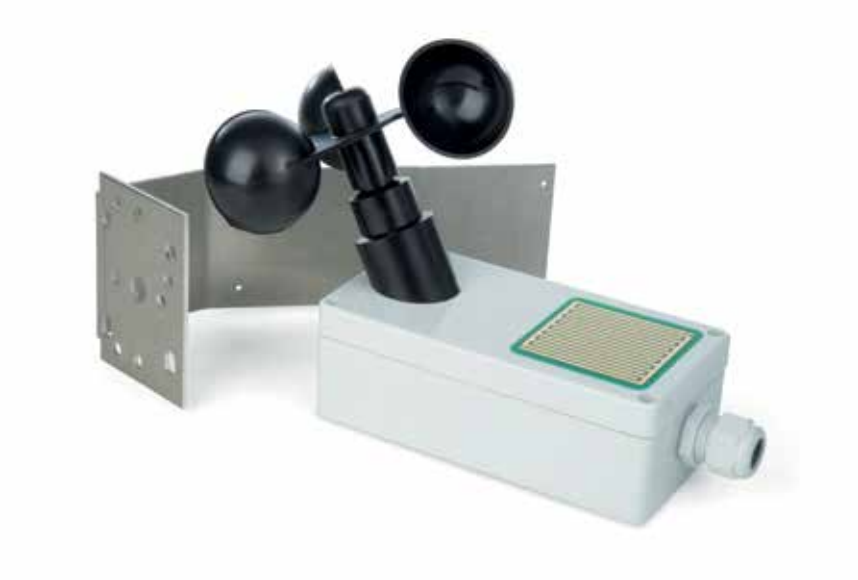


WLA 340

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 anomemeter 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 6’ 6 3/4’’ above the highest point of the building go 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

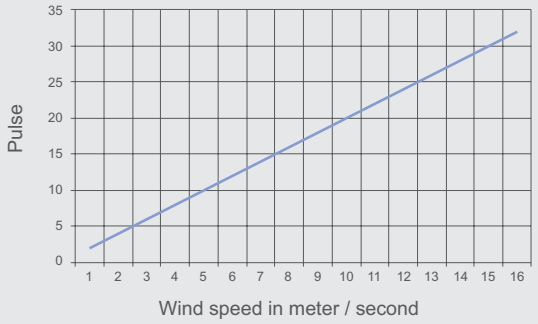
Technical specifications	
Rated voltage	18 - 26 VAC / 20 - 32 VDC, 45 mA at idle, max. 60mA
Material	Plastic housing
Colour	Grey
Size	3 1/8'' x 6 5/16'' x 2 3/16'' (W x H x D) (without anemometer) 3 1/8'' x 9 1/4'' x 6 7/8'' (W x H x D) (with anemometer)
Weight	ca. 1.54lbs
Circuit output	1NO, 1NC x potential 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

Pulse data
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.

Wind speed [miles/hour] ([m/s])	Pulse [Hz]
2.2 (1)	2
4.5 (2)	4
6.7 (3)	6
9.0 (4)	8
11.2 (5)	10
13.4 (6)	12
16.6 (7)	14
17.9 (8)	16
20.1 (9)	18
22.4 (10)	20
24.6 (11)	22
26.8 (12)	24
29.1 (13)	26
31.3 (14)	28
33.6 (15)	30
35.8 (16)	32

Pulse explanation



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

All dimensions are originally in metric units and converted into imperial units.
For exact measurements please refer to documentation with metric values.