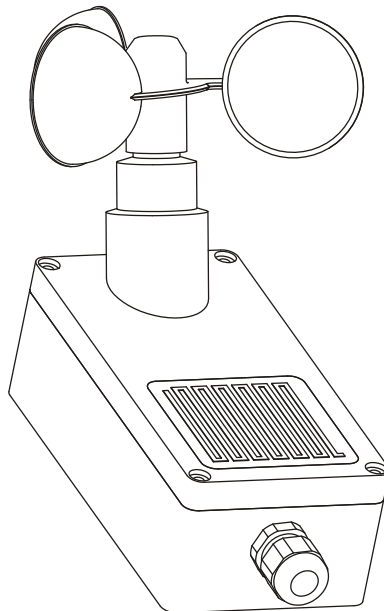


WLA 340

Wind/Rain sensor



Important information

- Read instructions carefully before installation. Keep the instructions for future reference.
- Sensor WLA 340 should be installed in accordance with current national legislation.
- Disconnect from mains supply before installation or removal of the sensor and before carrying out any maintenance or service work and ensure that it cannot be reconnected unintentionally during this time.
- If the sensor gets activated, the window operator automatically closes the window. For personal safety, never have your hand or body out of the window without disconnecting from mains supply.
- Do not paint or lacquer the rain sensor.
- Dirt on the sensor may cause operating problems. Therefore, it is recommended to clean the rain sensor with a soft wet cloth once or twice a year or when required.
- Electrical products must be disposed of in conformity with national regulations for electronic waste and not with usual household waste.
- The packaging can be disposed of with usual household waste.
- WLA 340 is a low-voltage product that complies with the requirements of the EMC directive concerning use in household, trade and light industry.
- This product has been designed for use with genuine WindowMaster products. Connection to other products may cause damage or malfunction.

Description

The wind/rain sensor comprises a wind wheel and a rain sensor surface.

This sensor is used for the automatic control of Smoke Control Units and ventilation central units.

The wind/rain sensor is equipped with a potential free change-over contact having a contact rating of 60V/2A.

In the event of rain, the change-over contact switches over from the N/C contact to the N/O contact. In the event of wind, the wind speed is sent via a pulse signal.

Operation / Function

Triggering by rain

The potential free contact switches when the rain sensor trips.

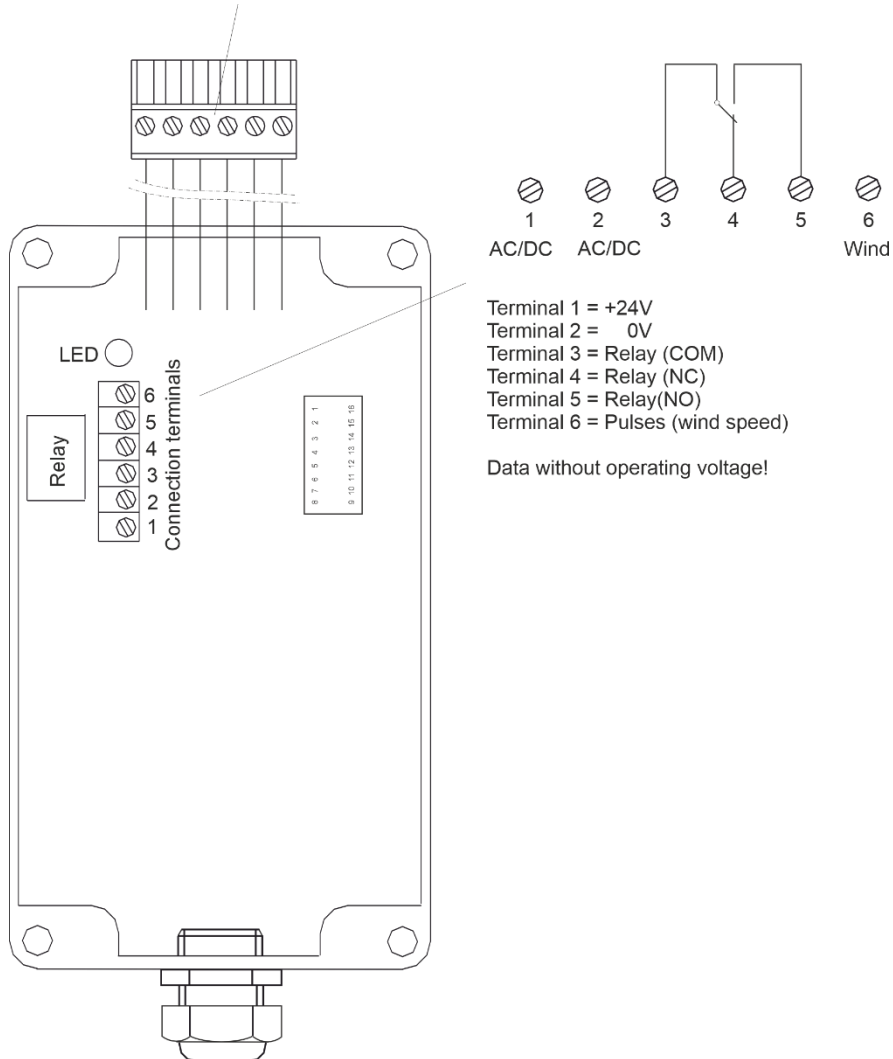
The red LED in the sensor is lit.

Remark:

The trip is reset 10 min. after the last sensor actuation.

Operating/control and display elements

For assembly, remove plug connection from the cover.
Do not mismatch during assembly!



Display: Red steady light in the sensor LED = Sensor tripped by wind or rain.

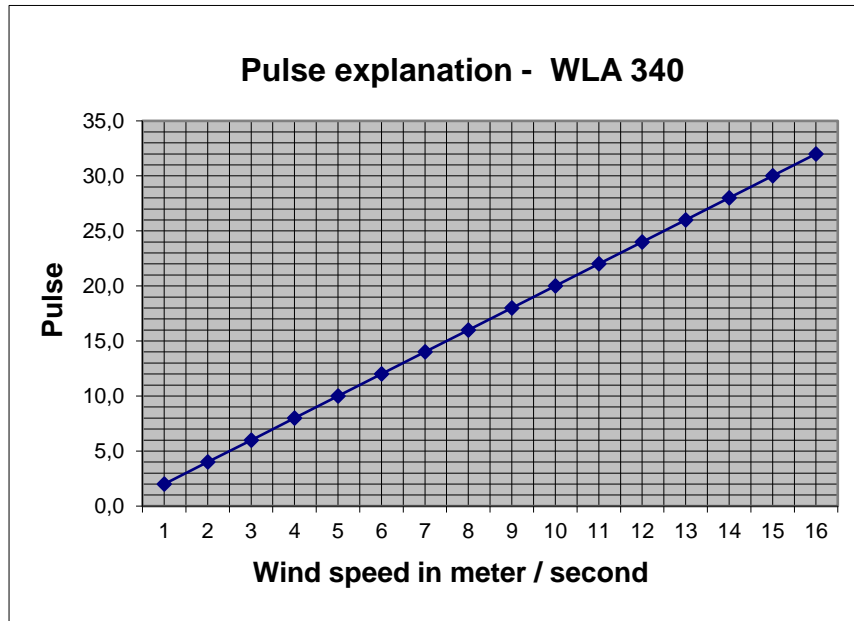
Connection

- Terminal 1 = AC / DC 24V
- Terminal 2 = AC / DC 24V
- Terminal 3 = Relay (arm)
- Terminal 4 = Relay (N/C contact) (close in the event of rain or voltage drop out)
- Terminal 5 = Relay (N/O contact) (open in the event of rain)
- Terminal 6 = Pulse (based on wind speed)

Pulse data

The pulse which the wind sensor transmits to the control unit - / panel e.g. WxC 3x0 P or FlexiSmoke™, depends on the measured wind speed, see below table for the wind depending pulse.

Wind speed [m/s]	Pulse /sec.
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



Technical data

Supply voltage:	24V DC
Circuit output (rain):	1 x potential free change-over contact
Switching capacity:	60V / 2A
Pulse signal	Load =1 x WEI 12M or 1 x WSA 5MC
Sensor dimensions:	80 x 160 x 55mm (WxHxD / without wind wheel)
Sensor weight:	approx. 0.7kg
Sensor protection type:	IP65
CE sign:	in accordance with the EMC directive and the low voltage directive
Cleaning:	clean the sensor regularly depending on the degree of soiling.