



INSTALLATION AND OPERATING INSTRUCTIONS WS XS ALU

WS XS ALU



This manual is suitable for the following products:

■ WS XS Alu (01100410)

Documentnumber: 85400821 F1

Professional sensor
devices for buildings,
applications.

Read the manual before starting the installation.
Failure to follow the instructions may result in defects that are not
covered by the warranty. Errors and technical changes excepted.



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SAFETY INSTRUCTIONS

GENERAL SAFETY INFORMATION

These safety instructions are an integral part of the product and must be read and fully understood before installation, electrical connection, commissioning and operation.

- The wind sensor is designed to measure wind speed and provide automatic protection functions for shading systems.
- The device may only be used for its intended purpose as described in this documentation. The wind sensor may only be operated in combination with compatible Vestamatic control units.
- Installation, electrical connection and commissioning may only be carried out by a qualified electrician.
- The sensor must be checked for visible damage before installation. Damaged devices must never be put into operation.
- Any modification or alteration of the device is prohibited and will void all warranty and liability claims.
- The sensor function must be checked regularly to ensure safe operation of the connected shading system.

CRITICAL SAFETY WARNINGS



ELECTRICAL HAZARDS

WARNING – Even low-voltage circuits can pose a hazard in the event of improper connection or damaged cables. Disconnect the mains voltage completely before installation and before working on the device.



HAZARDS DUE TO SENSOR FAILURE OR INCORRECT WIND MEASUREMENT –

WARNING – Risk of property damage and injury due to insufficient wind protection.



NOTE

The complete safety instructions can be found at: www.vestamatic.com/safety



SCAN ME


SUPPORT/CONTACT

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TECHNICAL DATA

SHORT DESCRIPTION

- Wind sensor for measuring wind speed
- For mounting on an aluminium bracket

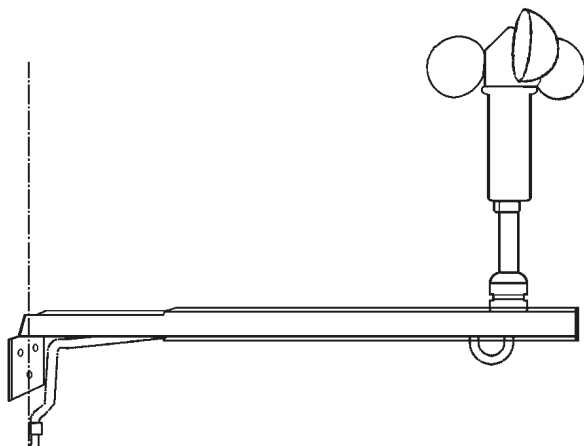
PARAMETER	VALUE
Measuring range:	2 - 32 m/s
Electrical output	0 – 94 Hz at 32 m/s
Contact type	1 reed switch
Load	max. 36 m/s, temporary
Maximum load	5VA, max. 30 VDC, max. 0,25 A
Operating temperature	-20 °C (-4°F) to +70°C (158°F)
Material	PC white (Macrolon 2405, UV stabilized)
Wiring cable	5 m lang, LiYY 2 × 0,34 mm ² , weiß
Dimensions	H 198 mm × 123 mm
Conformity	

MOUNTING / INSTALLATION

NOTES FOR PROFESSIONAL ELECTRICIANS

- 1. Switch off the control power supply.
- 2. Mount sensor in a suitable position.
- 3. Connect the sensor wires in accordance with the wiring diagram.
- 4. Switch on the control power supply.
- 5. Check the sensor function.

MOUNTING / INSTALLATION



NOTE

For the installation, we recommend our aluminum mounting bracket, articleno. 01100510 or mounting bracket for pole mounting (48-52 mm) articleno. 01100300.

WIND SPEED VALUES

BEAUFORT	M/S	KM/H	WIND SPEED LEVEL
0	0 - 0,2	0 - 0,8	Calm
1	0,3 - 1,5	0,9 - 5,5	Light air
2	1,6 - 3,3	5,6 - 12,1	Light breeze
3	3,4 - 5,4	12,2 - 19,6	Gentle breeze
4	5,5 - 7,9	19,7 - 28,5	Moderate breeze
5	8,0 - 10,7	28,6 - 38,8	Fresh breeze
6	10,8 - 13,8	38,9 - 49,8	Strong wind
7	13,9 - 17,1	49,9 - 61,7	Near gale
8	17,2 - 20,7	61,8 - 74,3	Gale
9	20,8 - 24,4	74,4 - 88,0	Severe gale
10	24,5 - 28,4	88,1 - 102,4	Storm
11	28,5 - 32,6	102,5 - 117	Violent storm
12 - 17	32,7 - 56	118 +	Hurricane