



INSTALLATION AND OPERATING INSTRUCTIONS WISO CRYSTAL STATION V2

WISO CRYSTAL STATION V2



This manual is suitable for the following products:

- WISO Crystal Station V2 (01100336)

Documentnumber: 85400721 H1

Combined wind/lux
sensor incl. mounting
bracket.

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, connection, commissioning and operation.

- The WISO Crystal Station is intended exclusively for measuring wind speed and solar intensity in combination with suitable Vestamatic control systems.
- Installation and electrical connection may only be carried out by a qualified electrician.
- The sensor unit must be inspected for visible damage before installation. Damaged devices must not be put into operation.
- Modifications or alterations to the sensor unit are prohibited and will void all warranty and liability claims.
- The operator must ensure that these safety instructions are made available to all subsequent users.

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 UNINTENDED

MOVEMENTS – **WARNING** – Risk of injury due to automatic protective functions.



NOTE

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



SCAN ME


SUPPORT/CONTACT

Vestamatic International GmbH
 Am Tannenbaum 2 | 41066 Mönchengladbach
 E-Mail: info@vestamatic.com

TECHNICAL DATA

SHORT DESCRIPTION

- Combined wind/lux sensor
- Crystal shank contains lux sensor
- Compatible with all Vestamatic awning and blind controls

| PARAMETER | VALUE |
|--------------------------|---|
| Wind speed sensor | |
| Measuring range | 2 ... 32 m/s |
| Output | 4 ... 94 Hz |
| Contact type | 1 Reed switch |
| Maximum load | 7,5 VA, max. 30 V _~ , max. 250 mA |
| Lux sensor | |
| Measuring range | 0 ... 120 kLux |
| Current input | 0,5 ... 4 mA |
| Operating temperature | -15 °C bis +60 °C |
| IPclass (sensor unit) | IP 54 |
| Material (plastic parts) | PC UV-stabilisiert |
| Conformity |  |

MOUNTING / INSTALLATION

The sensor unit must be installed and connected by a professional electrician.



NOTE

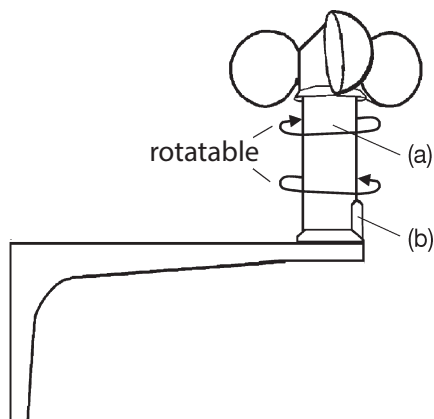
Do not mount the sensor unit in the shade, or shelter, of the extended shading device. The wall mount should be attached with the sensor unit column pointing upwards as shown in figure 1.

INFORMATION FOR ELECTRICAL CONTRACTORS

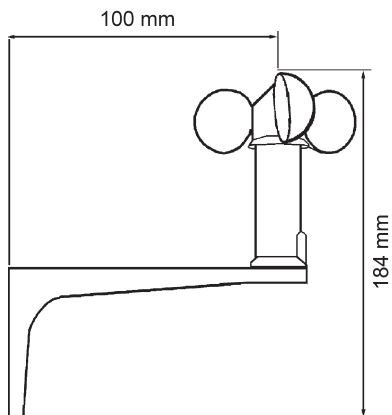
- 1. When deciding where to install the sensor unit, ensure that the wind speed and sun intensity readings, taken at the mounting location, are similar to those taken on the shading device.
- 2. Attach the wall mount using the installation kit supplied.
- 3. Connect the control supply cable to the sensor cable according to the wiring diagram.
- 4. If necessary, adjust the sensor unit (a) so that, together with the lux sensor (b), it captures maximum sun intensity.

MOUNTING / INSTALLATION

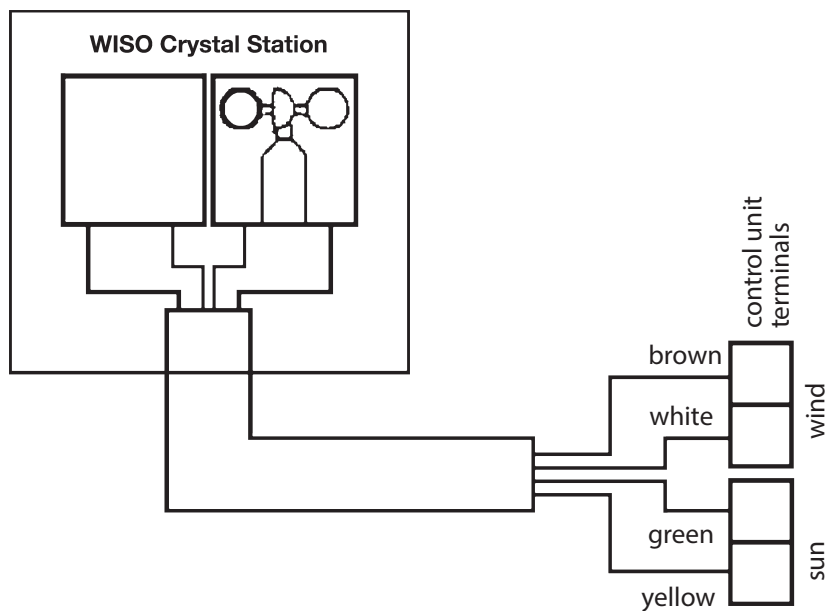
Figure 1



DIMENSIONS DIAGRAM



WIRING DIAGRAM



- We recommend that you use the same-coloured LIYY 4 × 0.34mm² cable for the control centre connection. Always ensure that the terminal connections are correct.