

Operating instructions

Wind sensor Kompakt
Order no.: 0911 02

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1 Safety instructions



Electrical devices may only be mounted and connected by a qualified electrician.

Serious injury, fire or damage to property possible. Read and follow these instructions completely.

Danger of electrical shock. Before working on the device or load, disconnect the power supply. In doing so, take all circuit breakers supplying dangerous voltage to the device or load into account.

These instructions are an integral part of the product and must remain with the customer.

2 Intended use

- Protection of a sunshade from damage caused by high winds. The sunshade is moved to a safe end position and locked there until the wind speed is back below the set threshold.
- Device for outdoor installation

3 Functionality

The wind sensor measures the wind speed. This value is transmitted via a zero-voltage output. The wind speed threshold is set using DIP switches. When the wind speed falls back below the threshold, the relay remains closed for a further 5 minutes.

4 Information for qualified electricians

4.1 Mounting and electrical connection

Installation instructions

Select a location for the wind sensor where the wind can reach the sensor unhindered. Install it outside the reach of persons.

There must be a minimum clearance of 60 cm from other elements (building structures, construction components etc.) below, at the side and at the front.

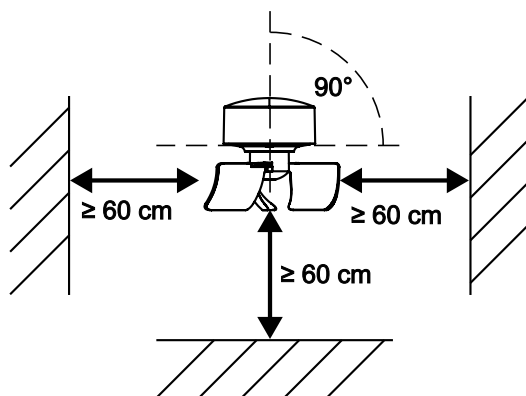


Image 1: Mounting clearances

Ensure that the device is mounted horizontally in both directions.

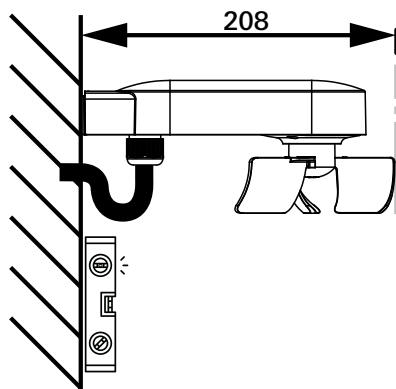


Image 2: Mounting direction

Wall mounting

1. Loosen the screws of the bracket using a cross-head screwdriver.
2. Fasten the bracket to the wall with two screws. Use suitable fixing materials (wall plugs, screws) for the wall material.

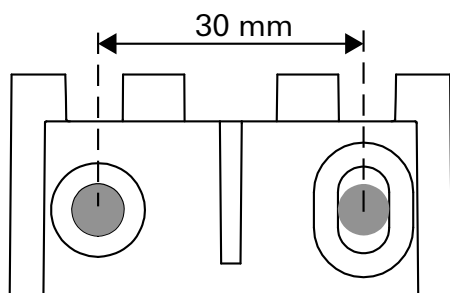


Image 3: Wall mounting - screw spacing

Pole mounting

1. Feed a suitable clip through the opening in the bracket.
2. Tighten the clip to the pole.

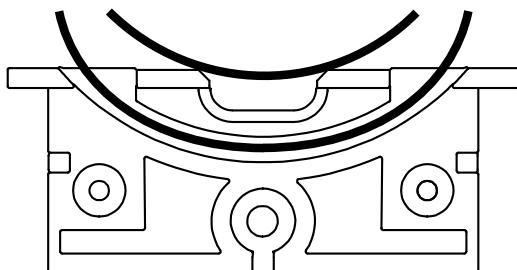


Image 4: Pole mounting with clips

Connecting the device

1. Loosen the screw (2) on the cover.
2. Feed the connection cable through the cable gland (1) into the wind sensor.
3. Connect the 230 V supply to the designated terminals.
4. Connect the downstream device to the switching output.

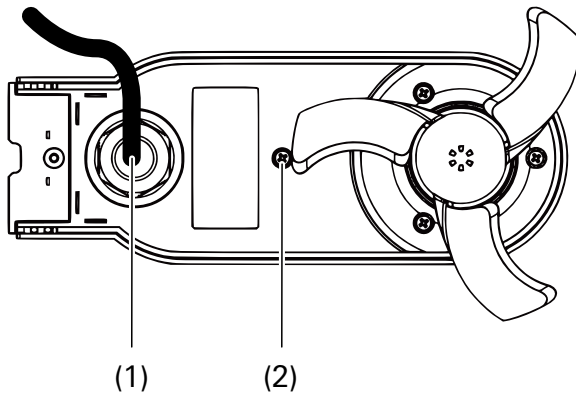


Image 5: Connecting the device

The switching output is zero-voltage and can be used to switch SELV circuits (Fig. 6) or 230 V (Fig. 7).

When using the switching output for SELV circuits, the applicable regulations and standards must be observed. Only use suitable cables, such as NYY-J 5x1.5 m², with insulated conductors for 230 V. Secure the connected conductors near the terminals with cable ties (Fig. 6).

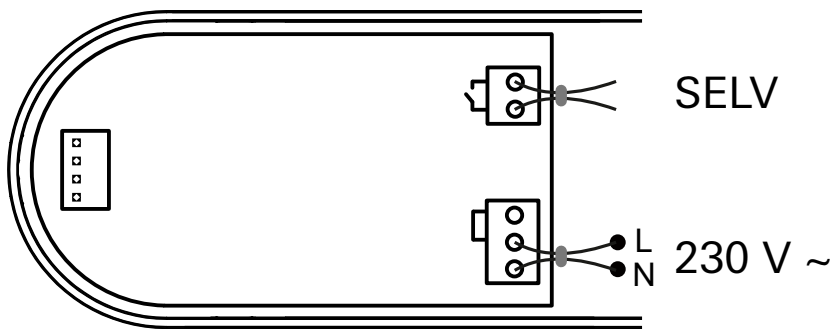


Image 6: Zero-voltage connection

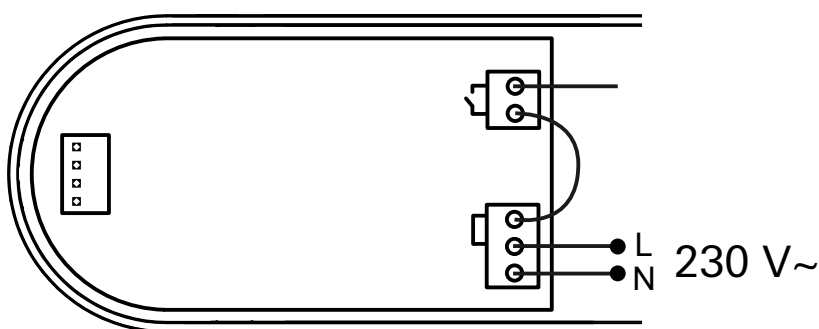


Image 7: 230 V connection

Instead of the cable gland supplied, a standard corrugated conduit gland can be used (e.g. Wiska EBFS-17-20-BK).

4.2 Start-up

Setting the wind speed threshold

Safety monitoring: When DIP switch 1 (Fig. 8) is activated, the wind speed is monitored. If no change in wind speed is detected for 48 hours, a wind alarm is generated.

The wind speed threshold is set using DIP switches 2 to 4 inside the housing (Fig. 9). If switches 2 to 4 are not activated, the threshold is 4 m/s.

1	On	48 h
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Image 8: DIP switch 1

2	3	4	m/s
			4
On			7
	On		10
On	On		13
		On	16
On		On	19
	On	On	22
On	On	On	25

Image 9: DIP switches 2-4

4.3 Maintenance



Risk of injury from automatically moving components

Disconnect the system from the power supply before maintenance or cleaning.

1. Check the device regularly for dirt and clean if necessary.

5 Technical data

Rated voltage	230 V~
Mains frequency	50 Hz
Power consumption	2 W
Switching current	6 A
Switching output	NO (normally open)
Contact type	μ
Connection	Spring clamp terminal
Clampable	Rigid and flexible:
conductor cross-section	0.2 to 1.5 mm ²
Stripping length	11 mm
Ambient temperature	-25 to +55°C
Storage temperature	-30 to +70°C
Protection type	IP44
Dimensions (W x H x D)	133 mm x 88 mm x 208 mm
Mounting type	Surface or pole mounting
Housing	Plastic, white
Wind measurement range	2 to 25 m/s

Hold time

5 minutes

6 Accessories

- Suitable screws and wall plugs for wall mounting, e.g. stainless steel round-head screws 4x50 mm and wall plugs 6x30 mm
- Worm-drive clamp Ø 40–60 mm for pole mounting, suitable for pole diameter 35–55 mm
- Cable ties when using the output for SELV circuits

7 Warranty

The warranty is provided by the retailer in accordance with the statutory requirements.

Please hand over or send faulty devices postage paid and with a description of the problem to your sales representative (retailer/installation company/electronics retailer),

who will forward the devices to the Gira Service Centre.

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