

**RCW-01**  
**Radio-controlled shock sensor**  
intended for operation with sunblind 230 VAC drives

**Instructions for installation and use**

**Safety guidelines**

**Basic guidelines**

The radio-controlled shock sensor can be safely installed and used provided all of the following instructions of installation and use as well as obligatory health and safety regulations are adhered to.

The installation and repairing of electrical equipment should be carried out only by persons with appropriate legal qualifications. Reconstructing or making changes to the tubular motor with built-in radio control is forbidden. During the guarantee period repairs only the manufacturer may carry out repairs. Even after the guarantee period has expired only original parts and accessories may be used.

The guarantee is only valid when the The radio-controlled shock sensor has been used in accordance with the manufacturer's instructions. The boundary values given in the technical specifications must NOT be exceeded under any circumstances.

**Supplementary safety regulations**

When installing, using or carrying out maintenance work all binding health and safety regulations should be followed. Particular attention should be paid to the following:

1. European Standards
2. Fire regulations
3. Accident avoidance regulations



**GENERAL COMMENTS REGARDING HAZARDS AND SAFETY PRECAUTIONS**



The following comments serve as general guidelines to the application of INEL drivers with other devices. These guidelines must always be adhered to when installing and operating these devices



Warning – this signal warns of possible damage to the control system or other equipment if appropriate safety measures are not taken.

- Before installing the control system and setting the end switches check all bolt connections are properly fastened.

Danger – this signal indicates danger to the user's life and health if appropriate safety measures are not taken.

- Follow all health and safety regulations relevant to the equipment (e.g. gates, roller blinds) used.
- When changing fuses the equipment must be first disconnected from the mains, the fuses changed and only then may the equipment be reconnected to the mains.
- The dual-channel radio link should be installed in accordance with appropriate safety regulations and with appropriate safety devices.
- INEL equipment connected to the mains beyond a building's safety fuse system needs to be installed with its own safe disconnecting devices (e.g. safety fuses and safety switches) in such a way so as to ensure that all the units may be easily and safely cut off from the mains.
- Electric wiring and cables should be regularly checked to ensure the insulation is intact and there are no breaks in the wire.
- If any damage to the wiring is found, the unit should be immediately disconnected from the mains and the damaged wiring replaced.
- Before connecting any equipment, one should first make sure that it is adapted to be used with the local voltage in the mains.

**PERSONAL SAFETY WARNING**

- Do not allow children to play with any of the control devices.
- Keep all remote control devices out of the reach of children.
- Observe the opening or shutting of the blinds, shutters, awnings or gates and ensure all persons stand clear until the operation is completed.
- Control system operators need to undergo preliminary instruction and training and also be made aware of all the potential dangers that can be encountered. A person should only be authorized to use the control system only once the employer, administrator or owner is satisfied that that person has been properly instructed.



It is not permitted to dispose of waste equipment together with other waste. Dispose only in specially designated areas. The household plays a key role in the recycling of waste equipment. By correct sorting of waste, including waste equipment and batteries, household members ensure that the equipment is not disposed together with household waste, but in specially designated areas, and thus may be used again after recycling.

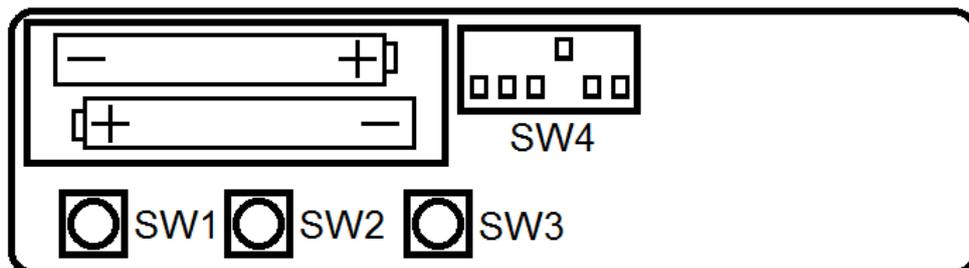
The radio shock sensor is intended for automatic rolling up of sunblinds during heavy wind, it works with radio-controlled YYGL45MR-50/12 and YYGL45R-40/15 drives.

## **WARNING:**

**The device may be permanently damaged if batteries are inserted incorrectly or in case of fall from the height of over 1 m.**

### **Sensor installation**

The RCW-01 sensor must be mounted on the mobile part of the sunblind, preferably on the internal part of the yoke beam. The packaging, apart from the sensor, contains double sided adhesive tape and two self-tapping screws.



- SW1 unrolling
- SW2 STOP
- SW3 programming

### **Registering the sensor with the drive**

#### **First programming for drives:**

- connect the drive to a 230 VAC power supply.
- within 10 seconds from startup press the SW3 button on the sensor
- the sunblind will make a short motion towards the unrolling direction, and then towards the rolling up direction
- within the subsequent 10 seconds press and hold the SW1 button (▼ 'unrolling') on the sensor,
- a short motion towards the unrolling direction, and then towards the rolling up direction will confirm that the registration was performed correctly.

**WARNING: The procedure will erase all previously registered remote controls from the memory.**

#### **When you already have a registered remote control**

Switch the drive into the programming mode with a previously registered remote control.

- short press the ▲ 'up' and ▼ 'down' buttons of the registered remote control channel at the same time,
- the sunblind will make a short motion towards the unrolling direction, then towards the rolling up direction, and finally a series of short movements of rolling down and up in the amount equal to the amount of registered remote controls,
- within the subsequent 10 seconds press and hold the SW1 button (▼ 'unrolling') on the sensor, a short motion towards the unrolling direction, and then towards the rolling up direction will confirm that the registration was performed correctly.

#### **Setting sensor sensitivity**

Sensor sensitivity is set with the six-position SW4 switch. The switch sliders set to ON set the vibration level (wind strength) which will make the sunblind roll up.

- slider no. 1 set to ON indicates low activation threshold (weak wind will close the sunblind)
- slider no. 6 set to ON indicates high activation threshold (strong wind will close the sunblind)

The factory setting is slider no. 2 to ON.

#### **Sensor operation**

After detecting sunblind vibrations caused by wind, the sensor sends a 'close' signal to the drive.

When the sunblind is closing it can be stopped with another remote control, but can only be opened again after vibrations stop plus 30 seconds.

If the sensor's battery is weak, it will send a 'close' signal in 30-minute intervals.

**Replace batteries immediately.**

If the sensor is damaged or cannot communicate with the drive, the sunblind will be closed after 1 hour.

#### **Power supply**

Two AAA 1.5 V alkaline batteries.