Centronic SensorControl
SC861A

en **Assembly and Operating Instructions**

Solar radio sun/wind sensor

Important information for:

・Fitters /・Electricians /・Users

Please forward accordingly!

These instructions must be kept safe for future reference.

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General

You can control one or more sun protection systems with the sensor. The thresholds for sun protection and wind monitoring can be set with the Centronic SunWindControl transmitters.
This device is exceptionally easy to use.

The sensor is equipped with a solar cell for the purpose of power supply.

Explanation of pictograms

	CAUTION	CAUTION indicates a hazardous situation which, if not avoided, could result in injury.
	ATTENTION	ATTENTION indicates measures that must be taken to avoid damage to property.
		Denotes user tips and other useful information.

Warranty

Structural modifications and incorrect installation which are not in accordance with these and our other instructions can result in serious injuries, e.g., crushing of limbs. Therefore, structural modifications may only be carried out with our prior approval and strictly in accordance with our instructions, particularly the information contained in these Assembly and Operating Instructions.
Any further processing of the products which does not comply with their intended use is not permitted.
The end product manufacturer and fitter have to ensure that all the relevant current statutory, official and, in particular, EMC regulations are adhered to during utilisation of our products, especially with regard to end product manufacture, installation and customer advice.

Safety instructions

General information

- Please keep the instruction manual safe!
- Only use unmodified original parts from the control unit manufacturer.
- Keep children away from control units.
- Observe all pertinent country-specific regulations.

Caution

- **Keep people out of the system's range of travel.**
- **If the system is controlled by one or more transmitters, the system's range of travel must always be visible during operation.**
- **Observe the specifications for the sun protection system.**

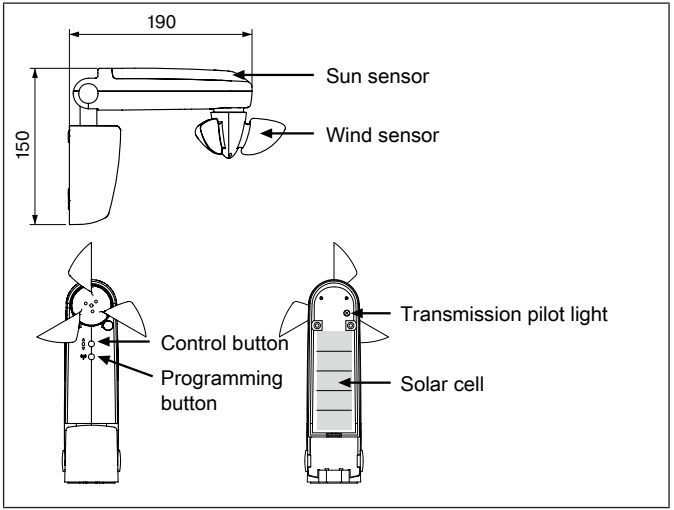
Intended use

The sensor described in these instructions must only be used for operating Centronic-compatible radio drives and radio control units. The sensor is only intended for operating sun protection systems that are not used as privacy systems at the same time. Use for other purposes or for purposes beyond the above constitutes improper use.

- Please note that radio-controlled systems may not be used in areas with a high risk of interference (e.g. hospitals, airports).
- The remote control is intended solely for use with equipment and systems in which malfunctions in the transmitter or receiver would not pose any risk to persons, animals or property, or which contain safety devices to eliminate such risks.
- The operator is not protected from interference from other telecommunications systems and terminal equipment (e.g. even from radio-controlled systems which are properly operated in the same frequency range).
- Only connect radio receivers to devices and systems approved by the manufacturer.

- **Ensure that the control unit is not installed or operated close to metal surfaces or magnetic fields.**
- **Radio-controlled systems transmitting on the same frequency may cause reception interference.**
- **Note that the range of the radio signal is limited by legislation as well as by design.**

Explanation of displays and buttons



Explanation of functions

Transmission pilot light
A radio signal is indicated by the transmission pilot light lighting up.
Control button
The button commands are executed in the following order RETRACT - STOP - EXTEND - STOP, etc.
Wind sensor
If the wind threshold is exceeded, the system retracts as standard. Exceptions are described in the relevant instructions for the receiver.
Sun sensor
If the sun threshold is exceeded, the system extends as standard. Exceptions are described in the relevant instructions for the receiver.

Rain sensor
In the case of rain, the system retracts. Exceptions are described in the relevant instructions for the receiver. This threshold is not adjustable.

The rain sensor is heated in order to ensure correct rain detection. The system retracts in the case of rain even in manual mode. Manual extension is possible at any time.

Programming the transmitter

Before programming the sensor, a master transmitter suitable for adjusting sensors must be programmed into the radio receiver and the limit positions must be programmed. Up to three sensors can be programmed into the radio receiver.

Attention
When programming the transmitter, ensure that the range of travel of the sun protection system is unobstructed, as it may extend immediately.

1) Programming the master transmitter

a) Putting the receiver into programming mode

Follow the Assembly and Operating Instructions for the receiver.

- Switch off the power supply to the receiver for 5 seconds, then switch it back on.

or

- Operate the programming button or the radio switch of the receiver.

The receiver is now in programming mode for 3 minutes.

b) Programming the master transmitter

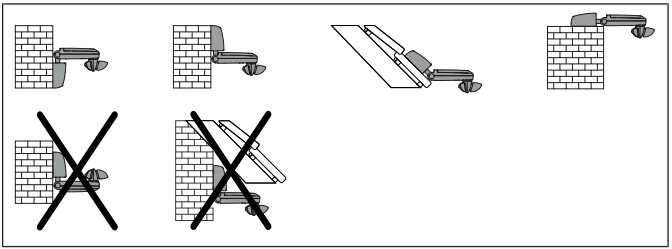
Press the programming button on the master transmitter while in programming mode until the receiver confirms that programming has been successful. Programming is now complete.

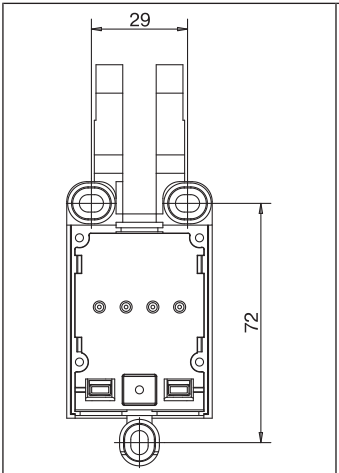
2) Programming the sensor

1. Press the programming button on the master transmitter until the receiver confirms.
2. Then press the programming button on the sensor until the receiver confirms.
3. Now press the programming button on the sensor again.
4. The receiver confirms successful programming.

Assembly

In order to ensure the correct functioning of the sensor, the sensor surfaces must not be covered.





- Check that the transmitter and receiver are functioning perfectly prior to installation in the desired location.
- Fix the sensor to the wall using the three enclosed screws.

Cleaning

Only clean the device with a suitable cloth. Do not use aggressive cleaning agents that may damage the surface.

Disposal

The crossed-out bin symbol on the product indicates that the device is subject to mandatory disposal separate from household waste. This product must be handed over to a collection point for electrical and electronic equipment at the end of its service life.
The packaging material must be disposed of properly.

Technical data

Degree of protection	IP 44
Permissible ambient temperature	-25 to +55 °C
Maximum emitted transmission output	⩽ 3 mW
Radio frequency	915.3 MHz
Commissioning cell	6LR61

The maximum transmitter range on and in the building is up to 15 m, and up to 150 m in the open.

What to do if…?

Problem	Remedy
The drive is not functioning. The transmission pilot light on the sensor lights up.	Reduce the distance from the receiver.
	Program the sensor into the receiver.
The drive is not functioning. The transmission pilot light on the sensor does not light up.	Energy storage system is empty. Charge the sensor up in the sun.
Automatic drive commands are not executed.	Set the slide switch of the hand-held/ wall transmitter to “☼”.
System does not extend automatically when slide switch is set to “☼”.	Adjust the sun threshold on the transmitter.
	Wait for the wind to die down.
System does not extend manually when slide switch is set to “✋” or “☼”.	Wait for the wind to die down.

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