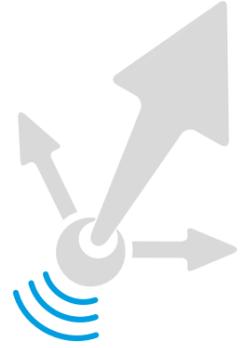


QCMSX

MOTION SENSOR



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TECHNICAL DETAILS



Power (Alkaline batteries)	2 x AAA (LR03) 1,5V
Frequency	868.30 MHz
Protection rate	IP 44
Material	ABS UV resistant
Transmission distance	up to 100 meters (open space)
Operating Temperature	-20° C / +55° C
Dimensions	152 x 38 x 25 mm
Weight	85 g

DESCRIPTION

QCMSX motion sensor is a wireless, battery powered wind sensor which provides protection by detecting wind generated movements and then retracting awning. QCMSX awning motion sensor is compatible with all the Gaposa radio motors and controls.

ATTENTION: the QCMSX sensor does not protect the awning against strong gusts of wind. Keep the awning closed if there is a risk of such meteorological event.

WARNINGS

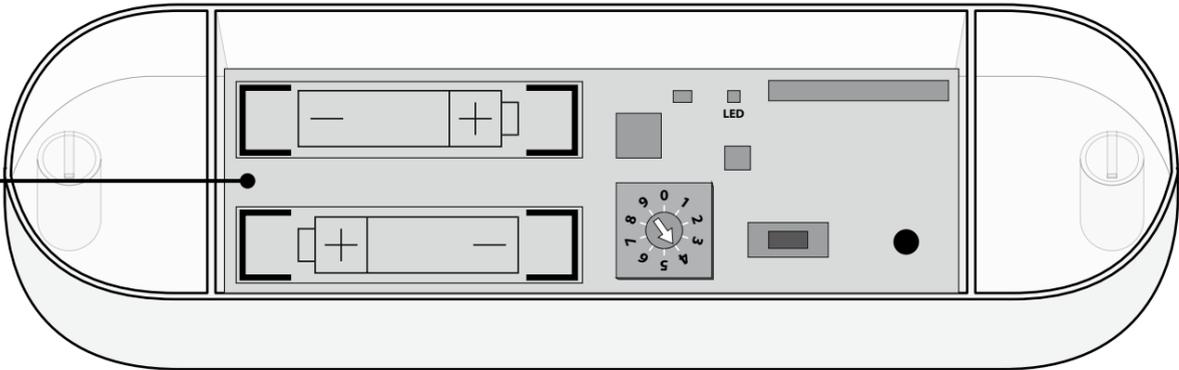
To prevent damaging the sensor:

- **Avoid impacts**
- **Do not drop it**
- **Do not submerge it.**

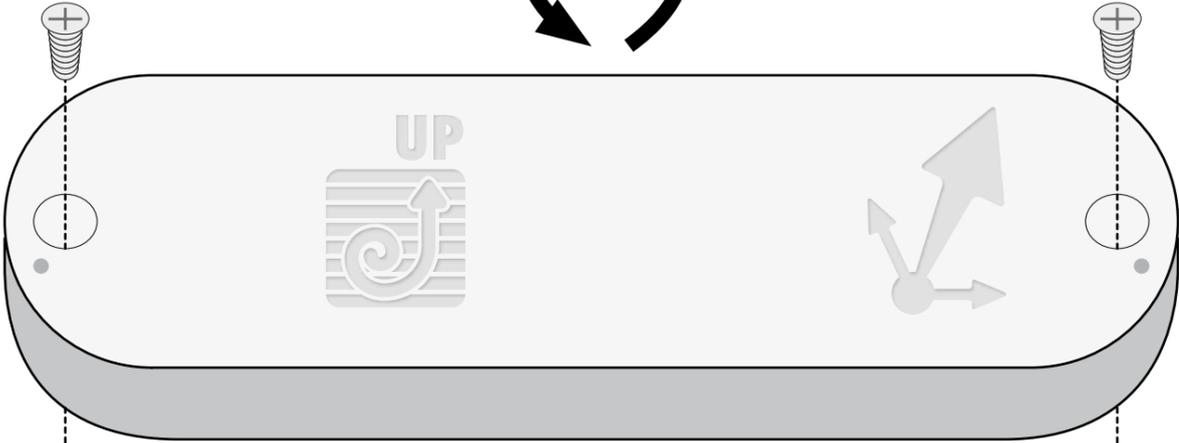
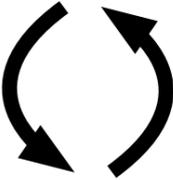
Powerful local transmitting equipment (e.g. cordless headphones) with a transmission frequency identical to the sensor can affect its function



DESCRIPTION



Sensor housing (internal)

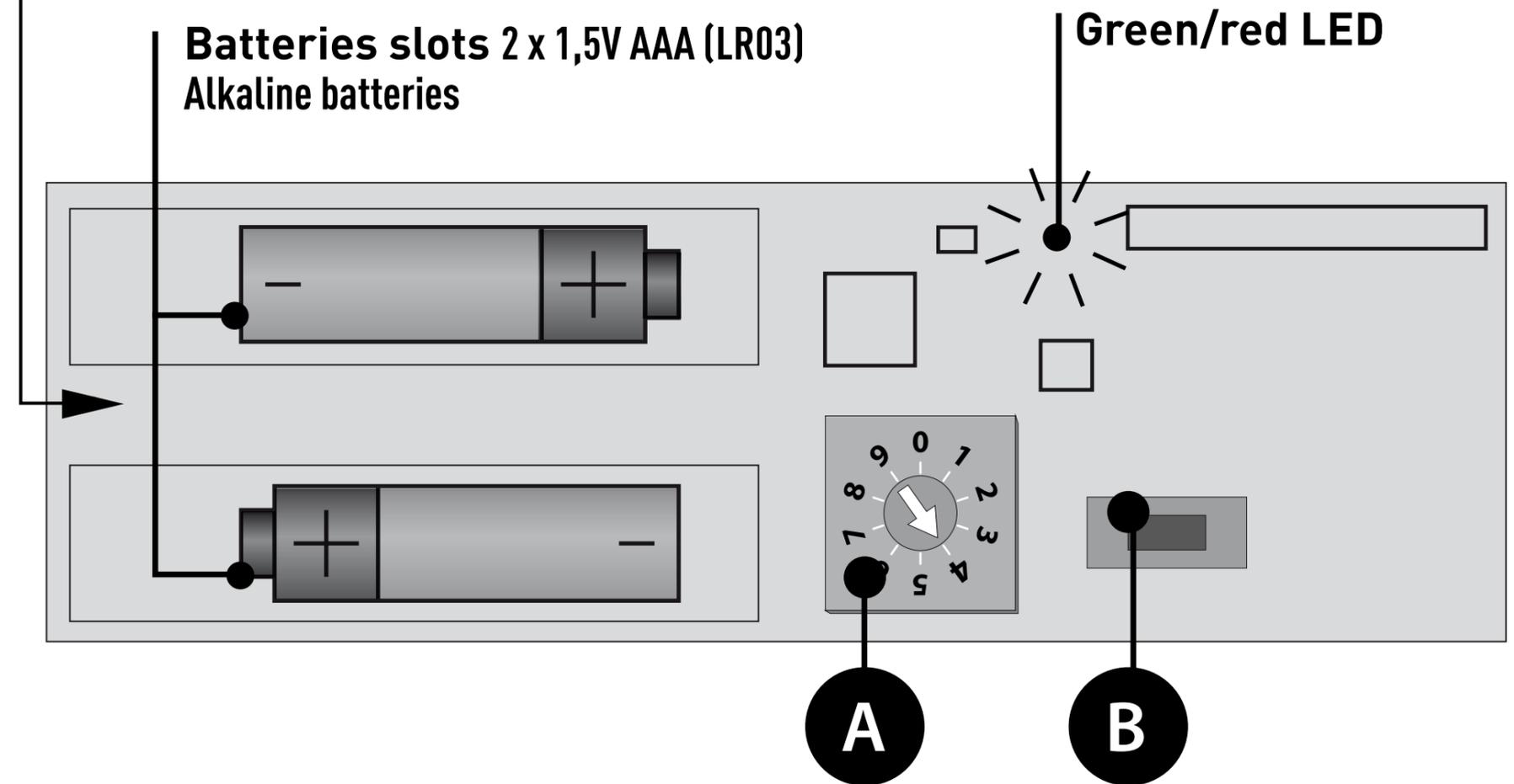


Sensor housing (External)



Mounting plate





A Potentiometer

Sensitivity threshold is adjustable by setting the potentiometer between 1 and 9 (**Basic factory setting = 4**):

0 = Inactive mode: Red LED lights up. Select the wind thresholds before closing the sensor housing

1 = The awning only needs to move slightly to retract

9 = The awning must vibrate strongly before retracting

B Programming button. Functions:

Pairing the motion sensor (see 2.)

Moving the awning (sequential fashion):

- Press and hold. After a while the motor moves the awning

- Press and hold to reverse direction

Press and release: the QCMSZ goes in sleeping mode for 90 seconds

The green LED blinks during the the sleeping mode period. It prevents the awning from being retracted while the housing is reassembled on the mounting plate by the 2 screws

INSTALLATION



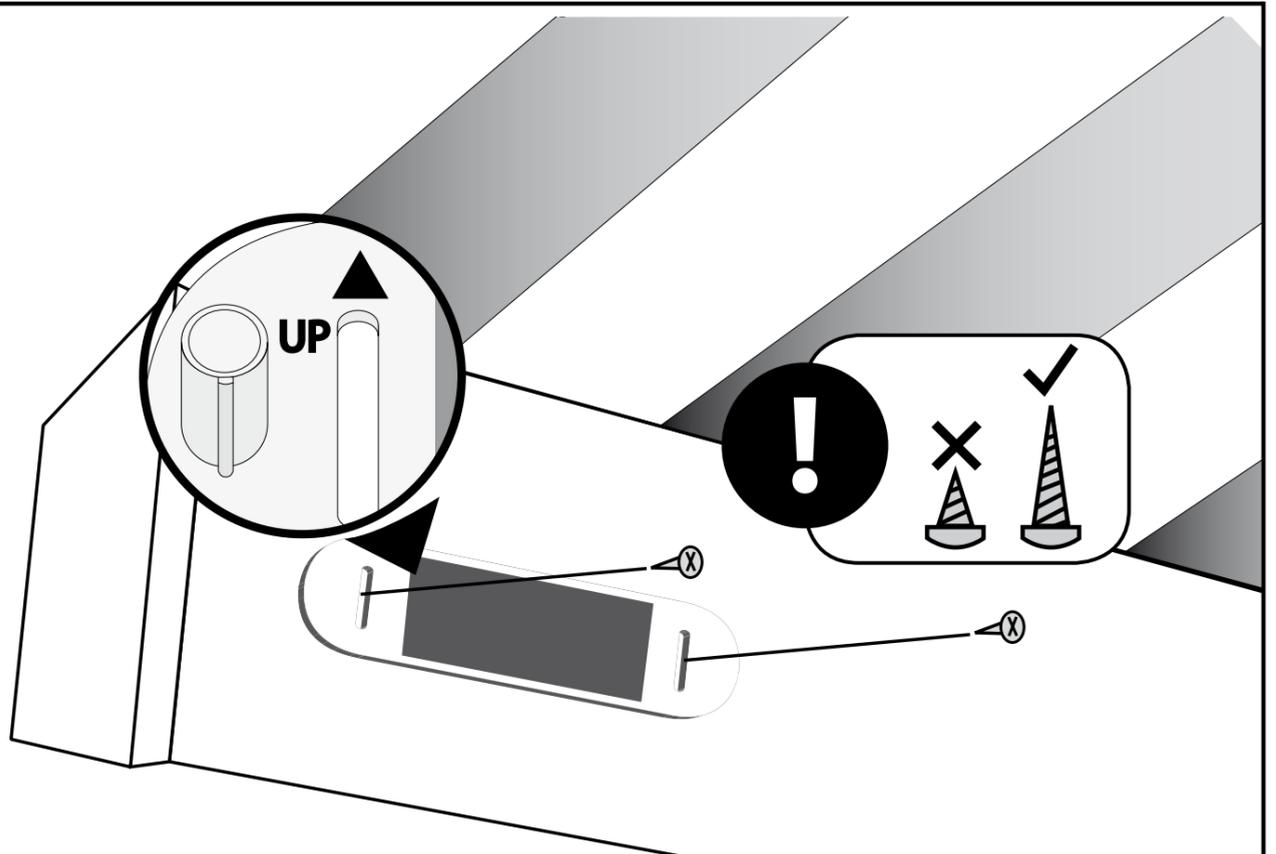
Warnings

- The QCMSX sensor is installed on the bottom bar of the awning, either in the middle or at the ends. At the ends wind detection is more sensitive.
- The QCMSX sensor must never be enclosed in the bottom bar
- The QCMSX sensor must be installed within 20 mt from the motor
- The QCMSX only works when the sensor is secured to the mounting plate and the pairing process is complete.

①

Install the mounting plate.

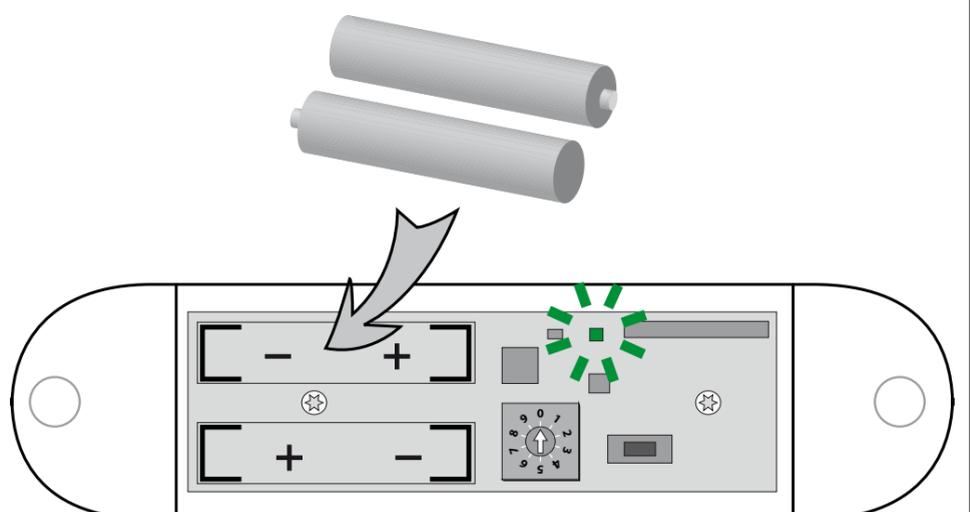
NOTE: Ensure that the orientation is correct using the “▲ UP” identification on the mounting plate.



②

Insert the batteries respecting the correct polarity. Make sure the green LED lights up for 5 seconds and then turns off.

ATTENTION: do not use rechargeable batteries



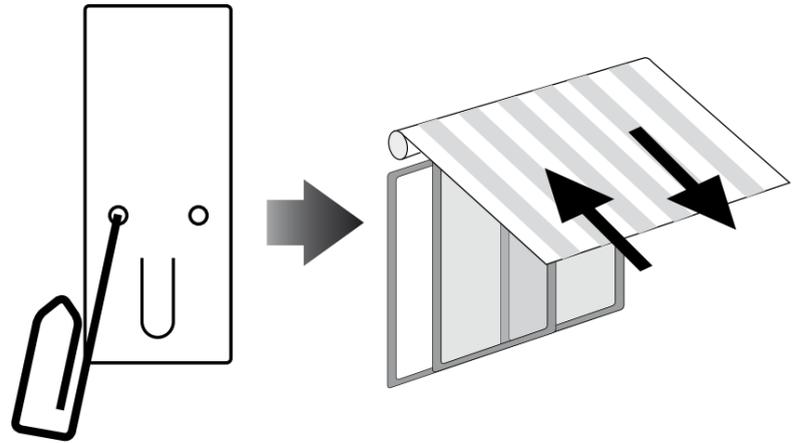
ATTENTION: disconnect power to the motor during the installation/disintallation/setting of the QCMSX sensor

PAIRING QCMSX



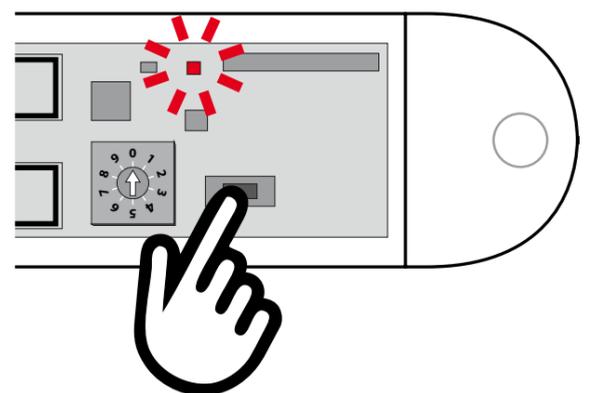
①

Press and hold Prog-TX button of the primary transmitter until the motor starts moving.



②

Release the prog-TX button and for the next 5 seconds press and hold the programming button on the QCMSX until the red LED starts flashing quickly. The motion sensor is paired.



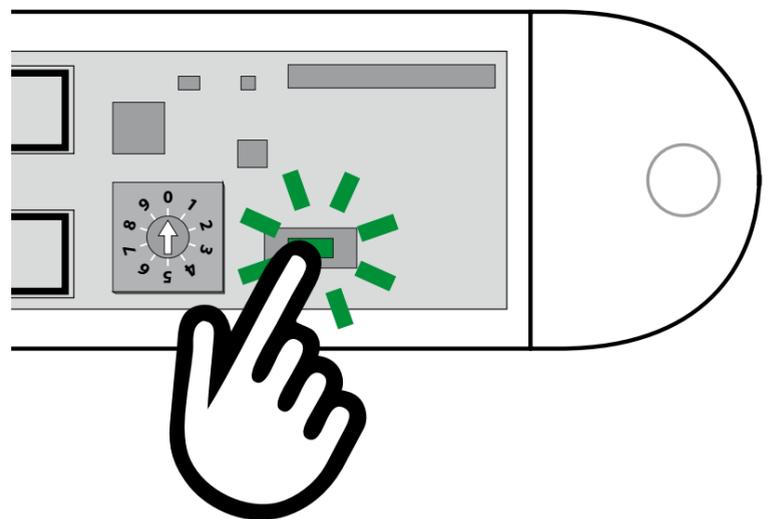
NOTE: To check the correct pairing press and hold the programming button until the motor moves the awning, then stop it by using the STOP button on the transmitter.

REASSEMBLING

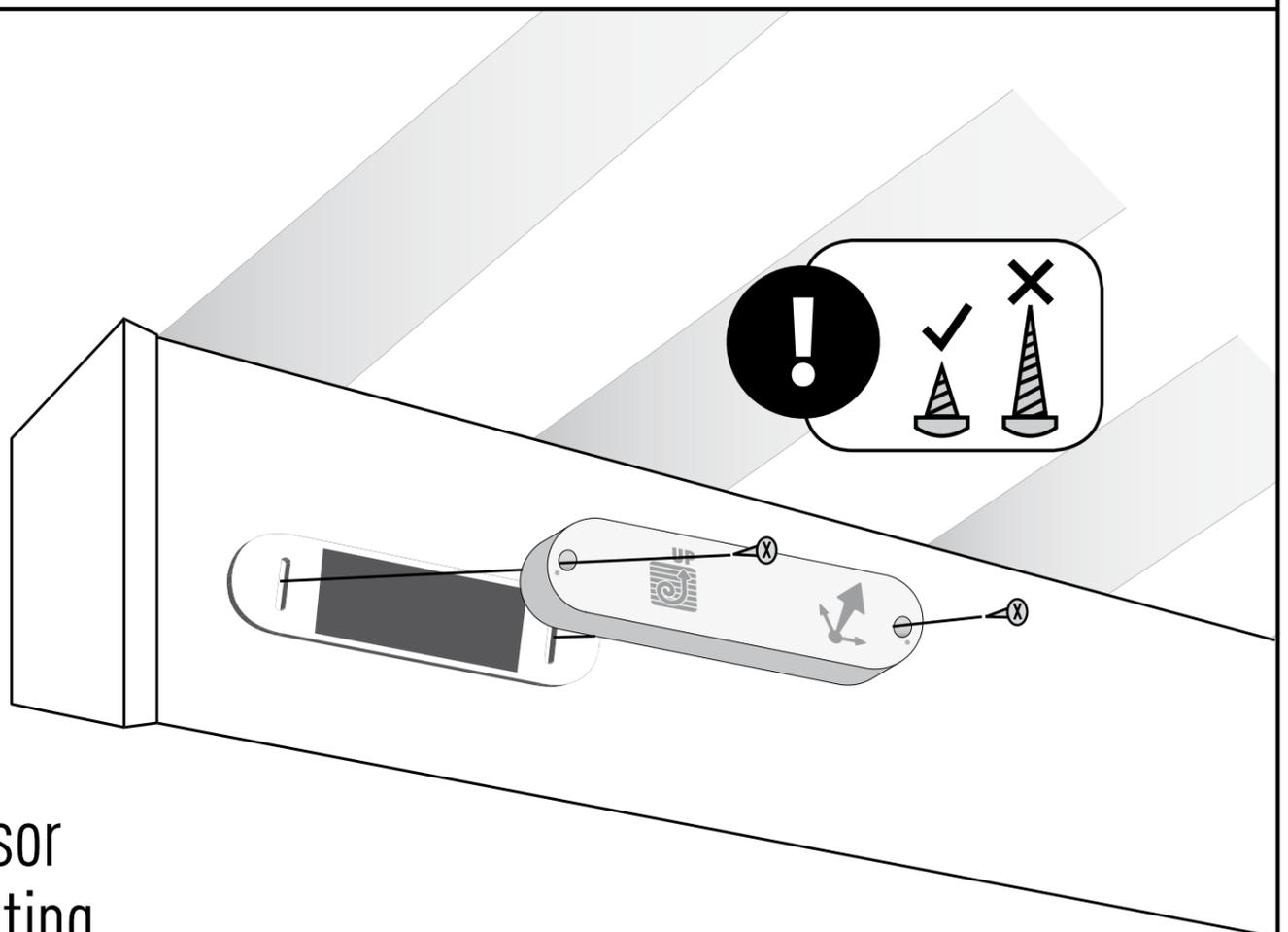


①

Press and release the programming button: the motion sensor is disabled for 90 seconds, green LED flashes.



②



Reassemble the sensor housing on the mounting plate by the 2 screws

CAUTION: When setting a new sensitivity threshold, disconnect the power to the motor before disassembling the sensor housing and re-connect it only when re-assembled.

TEST



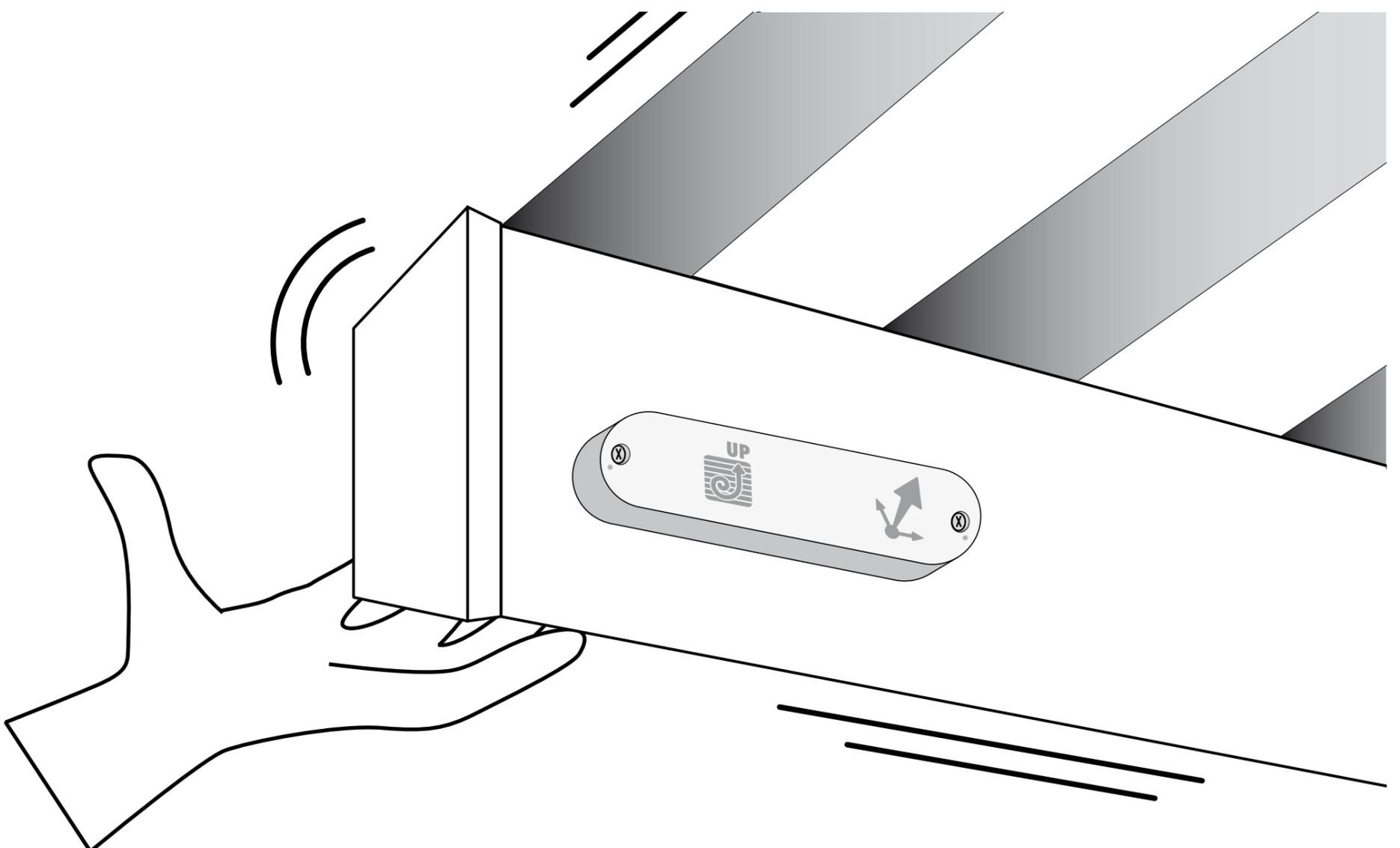
ATTENTION: After reassembling the sensor, wait for 1 minute before testing the sensitivity threshold.

At this stage the motion sensor is in “Test Mode”: by pushing up and down on the front bar or arm for at least 6 seconds the awning begins to retract. You are allowed to stop, extend and test the awning again 4 times without any restrictions.

From the 5th test the sensor goes into “regular mode” and any movement over the wind threshold retracts the awning inhibiting any command from the transmitter for 15 minutes “wind safety status”.

ATTENTION: Wait always 30 seconds between one test and the next one.

NOTE: any time you set a different sensitivity threshold on the Dial, the sensor allows you 4 more trials to test the awning without any restrictions.

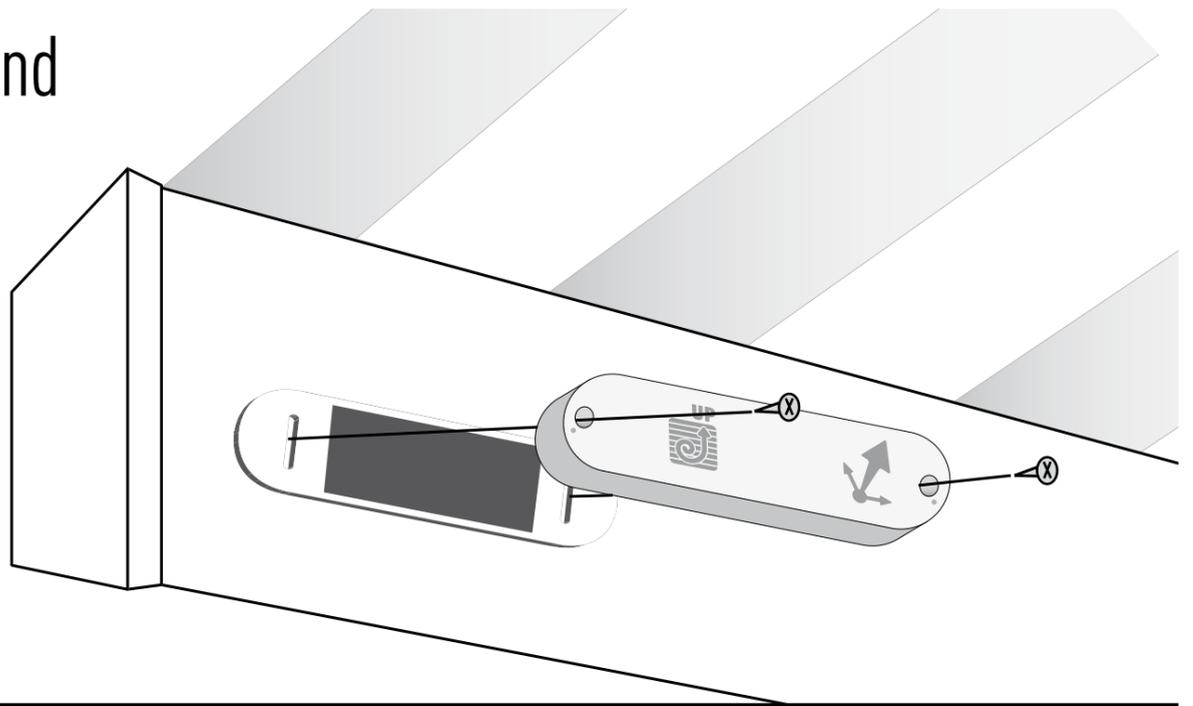


BATTERY SUBSTITUTION



①

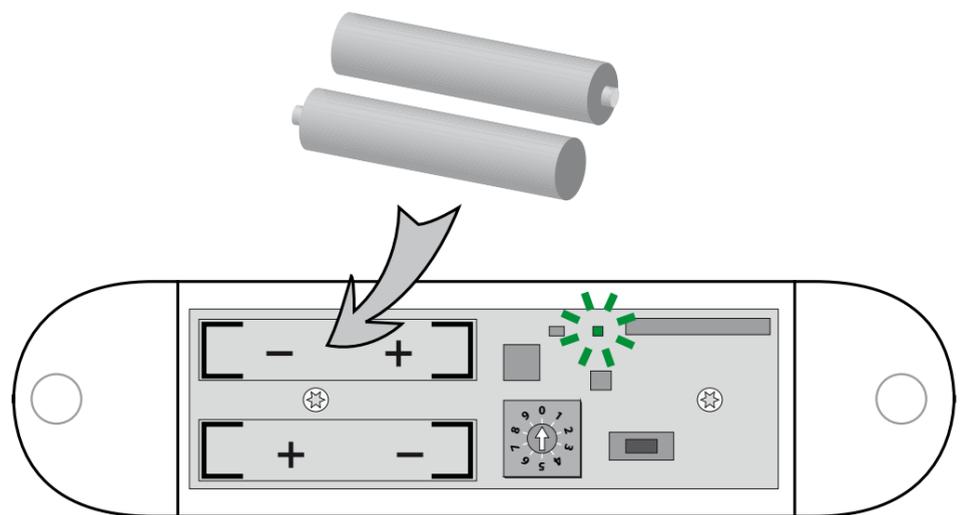
Unscrew the two screws and remove the box from the fixing plate.



②

Insert the new batteries respecting the correct polarity. Make sure the green LED lights up for 5 seconds and then turns off.

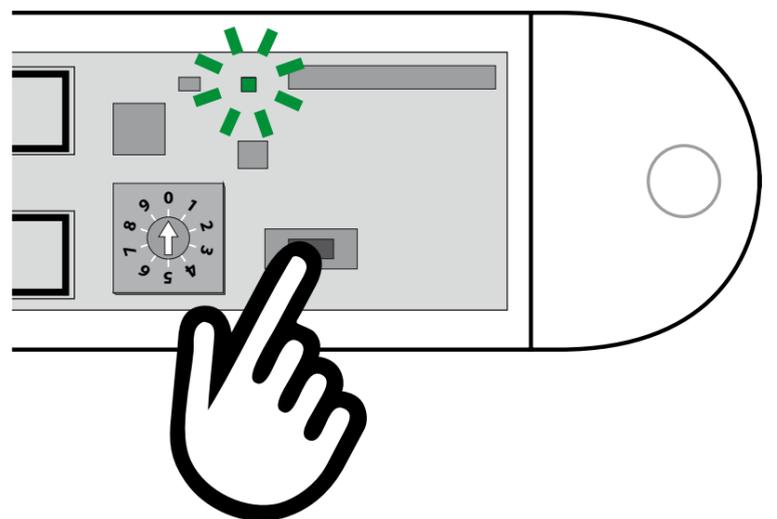
ATTENTION: do not use rechargeable batteries



IMPORTANT: Battery contains polluting substances. After removing, throw it in the designated batteries collection points.

③

Press and release the programming button: the motion sensor is disabled for 90 seconds, green LED flashes.



④ Fit the box back onto the fixing plate by tightening the two screws.

TROUBLESHOOTING



PROBLEM	CAUSE	REMEDY
Red light blinks for 5 seconds when batteries are inserted	Batteries are discharged	Replace batteries (do not use rechargeable batteries)
	Radio interference / Shielding	Ensure transmitter is positioned away from metal objects and that antenna on motor or receiver is kept straight and away from metal.
	transmitter is too far from the motor	Move transmitter to a closer position.
Motor is not responding	Power failure	Check power supply to motor is connected and active.
	Incorrect wiring	Check wiring is connected correctly (refer to motor installation instructions)
	Pairing error	Press and hold the Prog button on the motion sensor to verify motor reacts
	Batteries are discharged	Replace batteries (do not use rechargeable batteries)
Awning extends only by forcing the opening in dead-man control	Wind threshold = 0	Move wind threshold from 0
	Batteries are discharged	Replace batteries (do not use rechargeable batteries)
Awning retracts every 23 minutes under no wind	Batteries are discharged	Replace batteries (do not use rechargeable batteries)



TROUBLESHOOTING



PROBLEM	CAUSE	REMEDY
Awning constantly retracts during operation	Sensitivity set too high	Reduce sensitivity (increase wind threshold)
	Wind Sensitivity is too low	Adjust sensitivity (reduce wind threshold)
Awning does not react to wind setting	Duration of wind intensity level is less than 6 seconds	Wind gust durations must be over 6 seconds to trigger.
	Original pairing process transmitter/motor was wrong	Reverse direction by pressing and holding Prog-TX on the transmitter until the motor jogs then press STOP button.
Sensor causes awning to extend instead of retract		

