

PREMIUM MOTION SENSOR

Programming/Installation Instructions



Power (Alkaline batteries)	Frequency	Transmission distance	Operating Temperature
2 x AAA (LR03) 1.5V	415.15 MHz	up to 20 meters (open space)	-20°C / +55°C
Protection rate	Material	Dimensions	Weight
IP 44	ABS UV resistant	6" x 1.5" x 1"	85 g

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Description

Premium motion sensor is a wireless, battery powered wind sensor which provides protection by detecting wind generated movements and then retracting awning.

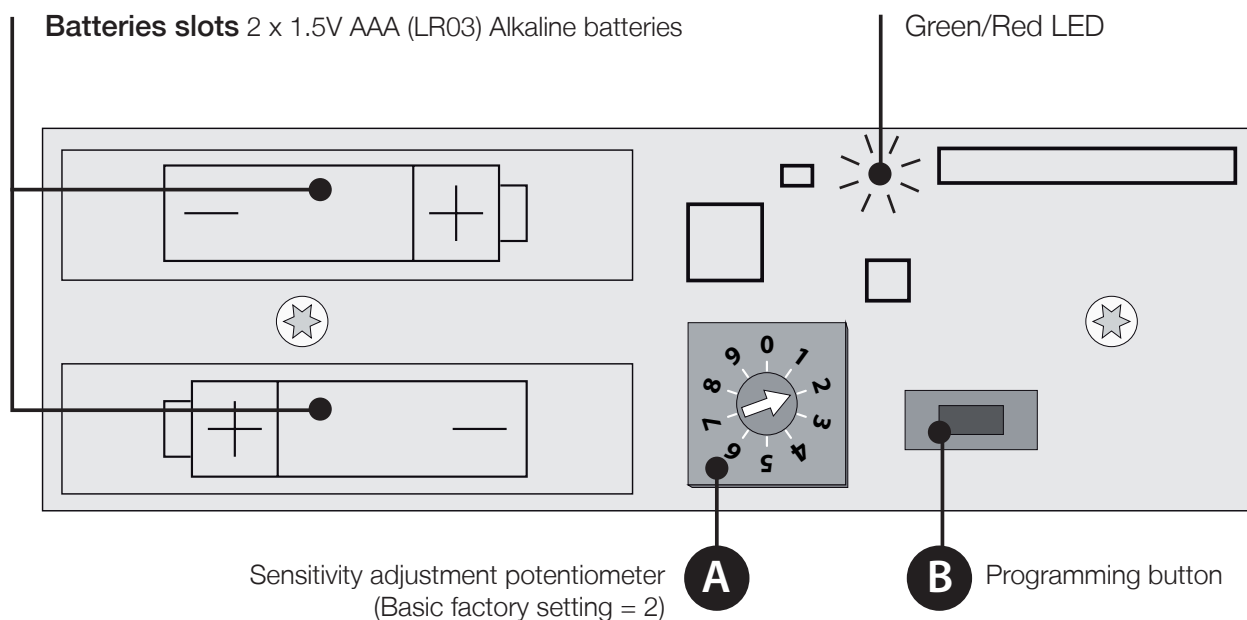
Premium motion sensor is compatible with all the Premium radio motors and controls.

ATTENTION: The Premium motion 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 Premium motion 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 Premium motion sensor can affect its function.



A Premium motion sensor sensivity threshold is adjustable by setting the potentiometer within 1 to 9:

- 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.)

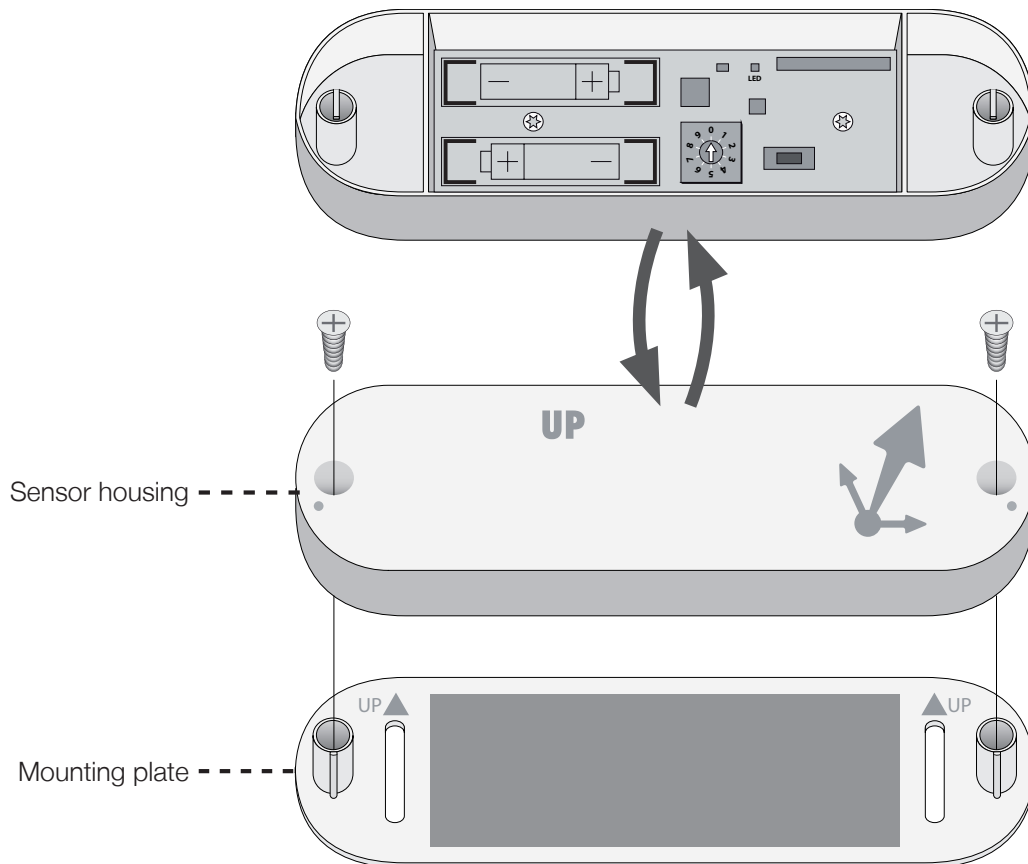
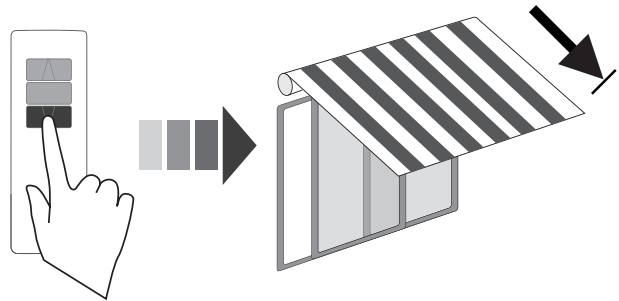
- Moving the awning (sequential fashion):
 - Press and hold. After a while the motor moves the awning
 - Press and hold to reverse direction
- Press and release: the Premium motion sensor goes in sleeping mode for 90 seconds. The green LED blinks during the period of sleeping mode. It prevents the awning from being retracted while the housing is reassembled on the mounting plate by the 2 screws.

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Ensure primary remote has already been paired with motor and make sure the "DOWN" button on the remote extends the awning.



ATTENTION

- The Premium motion sensor is installed on the bottom bar of the awning, either in the middle or at the ends. Of course at the ends wind detection is more sensitive.
- The Premium motion sensor must never be enclosed in the bottom bar
- The Premium motion sensor must be installed within 20 mt from the motor
- The Premium motion only works when the sensor is secured to the mounting plate and the setting are done.

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1.

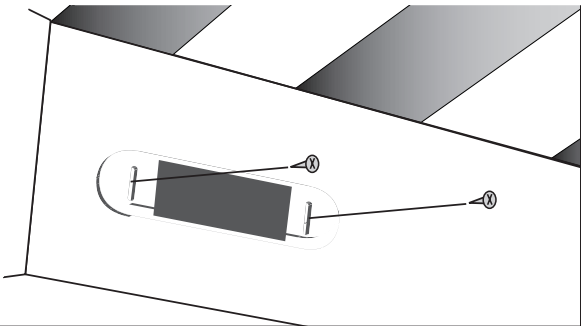
Installation

1. Install the mounting plate
2. Install the batteries. Make sure the green LED lights up for 5 seconds.

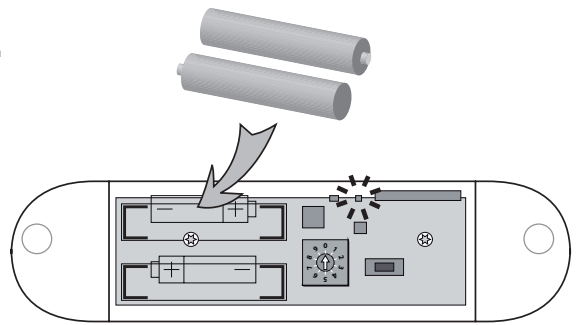
NOTE: Take care of the “▲UP “ orientation of the mounting plate.

ATTENTION: disconnect power to the motor during the installation/disintallation/setting of the Premium motion sensor.

1.



2.



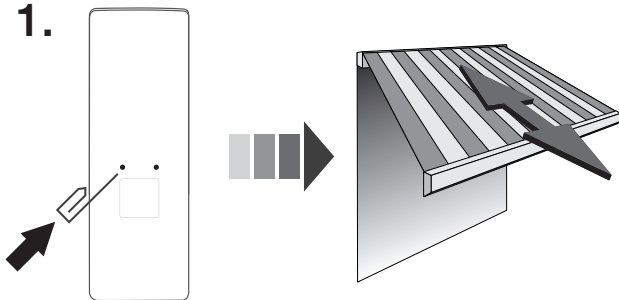
2.

Pairing Premium Motion Sensor

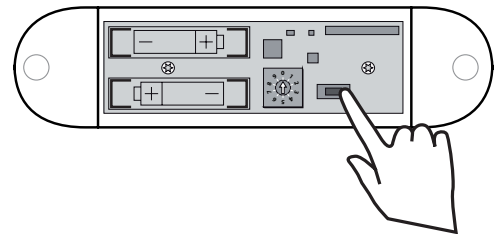
1. Press and hold Prog-TX button of the primary transmitter till the motor starts moving.
2. Release the Prog-TX button and within 5 seconds press and hold the programming button on the Premium Motion sensor. The Premium motion sensor is paired.

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

1.



2.



PREMIUM MOTION SENSOR

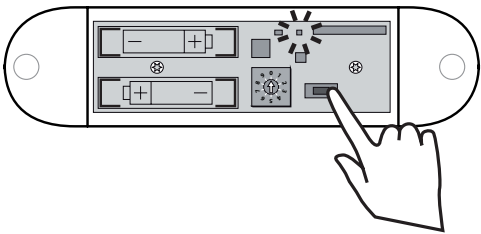
Programming/Installation Instructions

3.

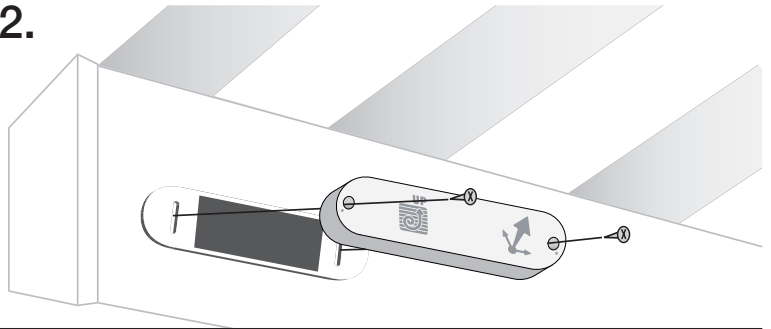
Reassembling

1. Press and release the programming button: the Premium motion sensor is inhibited for 90 seconds, green LED flashes.
2. Reassemble the sensor housing on the mounting plate by the 2 screws.

1.



2.

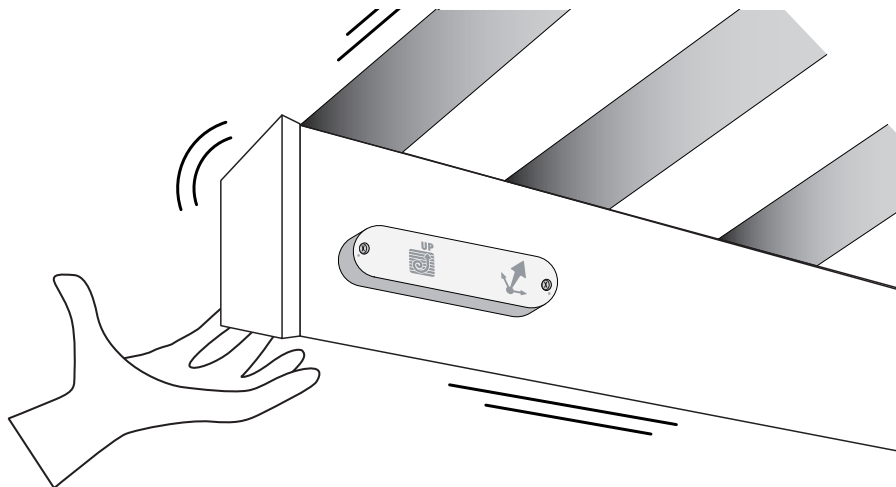


4.

Test

1. Test the sensor by pushing up and down on the awning front bar or arm for at least 6 seconds until it begins to retract.
You can use the transmitter to stop the awning (first test mode).
2. Extend the awning and test it again. You can use the transmitter to stop the awning (second test mode)*
3. Make adjustments to the sensitivity threshold if needed and test it again.

NOTE: After the second test mode you cannot STOP the awning while retracting before 15 minutes (wind safety mode).



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Troubleshooting

PROBLEM	CAUSE	REMEDY
Red light blinks for 5 seconds when insert batteries	Batteries are discharged	Replace 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.
	Power failure	Check power supply to motor is connected and active.
Motor is not responding	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
Awning extends only by forcing the opening in dead-man control	Batteries are discharged	Replace batteries
	Wind threshold = 0	Move wind threshold from 0
Awning retracts every 23 minutes under no wind	Batteries are discharged	Replace batteries
Awning constantly retracts during operation	Sensitivity set too high	Reduce sensitivity (increase wind threshold)
Awning does not react to wind setting	Wind Sensitivity is too low	Adjust sensitivity (reduce wind threshold)
	Duration of wind intensity level is less than 6 seconds	Duration of wind intensity level is less than 6 seconds
Sensor causes awning to extend instead of retract	Original pairing process transmitter/motor was wrong	Reverse direction by pressing and holding Prog-TX on the transmitter till the motor jogs then press STOP button.