Solar Roller Shutter Install Guide

Important

- The Solar Panel must only be installed on a Solar Roller Shutter. These Shutters use DC tubular motors which have built in limit switches required for proper function of the panel.
- To protect the wiring from the moving curtain a safety plate must be used on Solar Panel installations.
- The Solar system will deactivate at temperatures below -10°C and above 60°C. Never expose the unit to temperatures above 80°C
- Do not drill or open any part of the soplar panel unit, this will void the warranty.
- Protect the soalr panel unit from magnetic fields and from being submerged
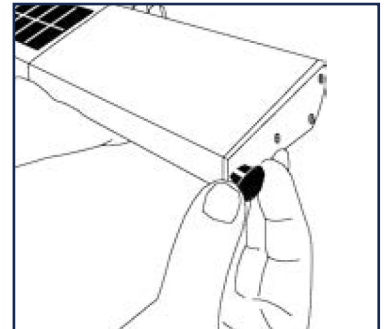
1. Wake up the Solar Panel

Place the panel in the sun for 10 seconds, this will wake the panel from deep sleep mode and prepare it for programming.

2. Pair the Remote and the Solar Panel

Hold the yellow magnet to the side of the Solar panel, you will hear 3 clicks and the panel is now in program mode for 1 minute.

Press the stop (i.e. middle) button on the remote. three more clicks will be heard, the remote and panel are now paired.
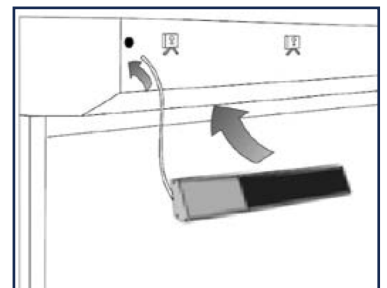
To operate the motor push and hold the up or down button on the Remote for one second.

3. Install the Solar Panel Mounting Clips

Remove the mounting clips from the rear of the Solar Panel, and, using screws or rivets, attach them to the installation surface. (See box: positioning your solar panel)

Drill a 10mm hole in the front or side of the endplate to allow the cable to pass through to the motor. DO NOT DRILL THROUGH THE TOP as this may compromise the weatherproofing of your unit.

4. Connect the Motor

Connect the terminals from the Solar panel with the terminals from the motor.

- Right hand control: connect red to red
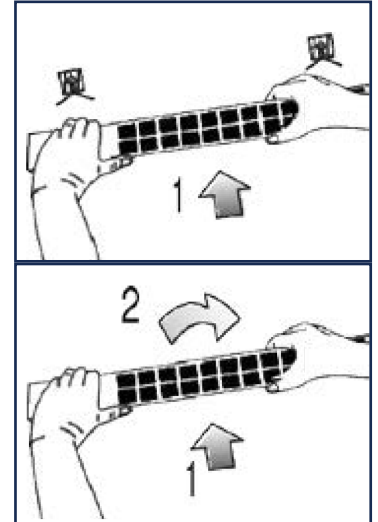
- Left hand control: connect red to black

Test the connection before activating the heat shrink tubing on the termianls with a hot air gun.

Push any excess cable into the headbox behind the safety plate

5. Attach the Solar Panel to the Clips

To mount the Solar Panel, engage the legs of the clips in the channel on the back of the panel and push up.

To remove the panel, push the panel up to compress the legs of the clips. Then rotate the top of the panel away from the mounting surface.

Troubleshooting

Problem	Fix
• Motor operates wrong way	Switch red and black wires connecting motor to Solar Panel
• Motor will not operate	Battery may be flat, reposition the solar panel to get more sunlight
	Wipe down panel with moist cloth to remove dirt and grime
	Disconnect panel and place directly in sunlight, reposition the panel to prevetn the issue reoccuring

Resetting the Solar Panel Unit

To delete all remote pairings, hold a magnet in the position shown in step 2 for approximately 20 seconds. Six clicks will be heard. The system is in deep sleep mode now and needs to be exposed to daylight to re-activate it.

Adding Additional Remotes

Additional Remotes can be paired with the Solar Panel by repeating Step 2 for each new remote. Up to 5 transmitters can be paired with one Solar Panel unit.

Positioning Your Solar Panel

- Ensure your solar panel is positioned to receive at least 1 hour of direct sunlight per day, preferably north facing.

- Install panel within 2m of the headbox

- **If installing on the headbox:**

  - Position the solar panel on the same side as the motor for easier wiring.

  - When drilling the wire hole, position it so that the hole is covered by the solar panel when installed