

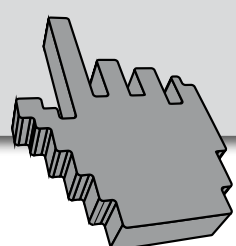


XQ 40 50 60

*TUBULAR MOTORS WITH OBSTACLE
DETECTION AND AUTOMATIC LIMIT SETTING*

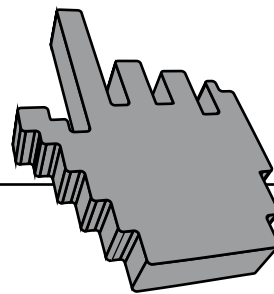


INDEX



Made in Italy

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INDEX

SAFETY

INSTALLATION

ELECTRICAL CONNECTION

**LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS
WITH AUTOMATIC LOCKS**

USING THE SETTING SWITCH DEVICE ACPRET

USING ANY STANDARD PUSH BUTTON

**LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS
WITHOUT AUTOMATIC LOCKS**

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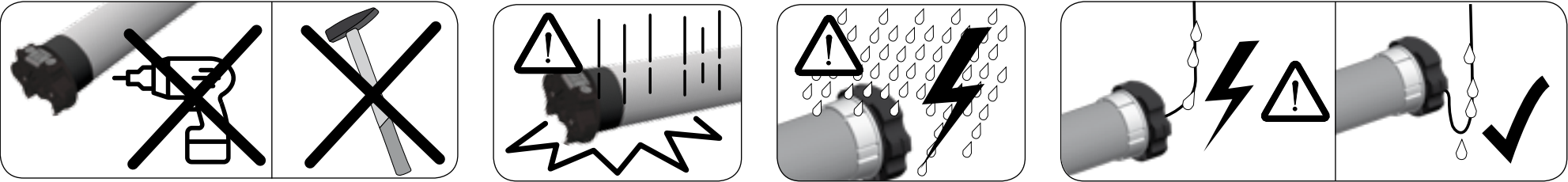
DEACTIVATING OBSTACLE SENSITIVITY

ACTIVATING OBSTACLE SENSITIVITY



**CAREFULLY FOLLOW THESE INSTRUCTIONS.
IT IS VERY IMPORTANT FOR THE SAFETY OF
PERSONS. SAVE THESE INSTRUCTIONS.
IMPORTANT:**

- Check the shutter/awning in motion and keep persons far from it while in action.
- Frequently check if any loss of balance, signs of wear or damaged wires are shown.
- Do not use if any repairing or maintenance is needed.
- In case of installation in awnings keep a distance of at least 0,4 m from it (completely open) and whatever fixed item in the nearby.
- The device is not intended to be used by people (including children) whose physical, sensory or mental capabilities are reduced, or lacking experience or knowledge, unless they have been granted through the intermediary of a person responsible for their safety, supervision or instruction concerning the use of the device.
- Children should be supervised to ensure they do not play with the device and / or with fix control devices.
- The control devices installed in a fixed manner must be positioned in view.



To complete installation, the motor must be provided with a couple of adaptors (corresponding with the tube) and a fixing bracket. For a list of the available accessories, refer to the catalogue.

WARNING: incorrect installation can cause serious injuries. Follow the installation instructions. Before you remove all unnecessary cables and turn off any equipment not required for this operation.

- 1

Fix the adaptors to the motor distinguishing the limits ring (A) from the drive pulley (B).
- 2

Insert the motor (E) into the tube (F) until its end stops against the limits ring.



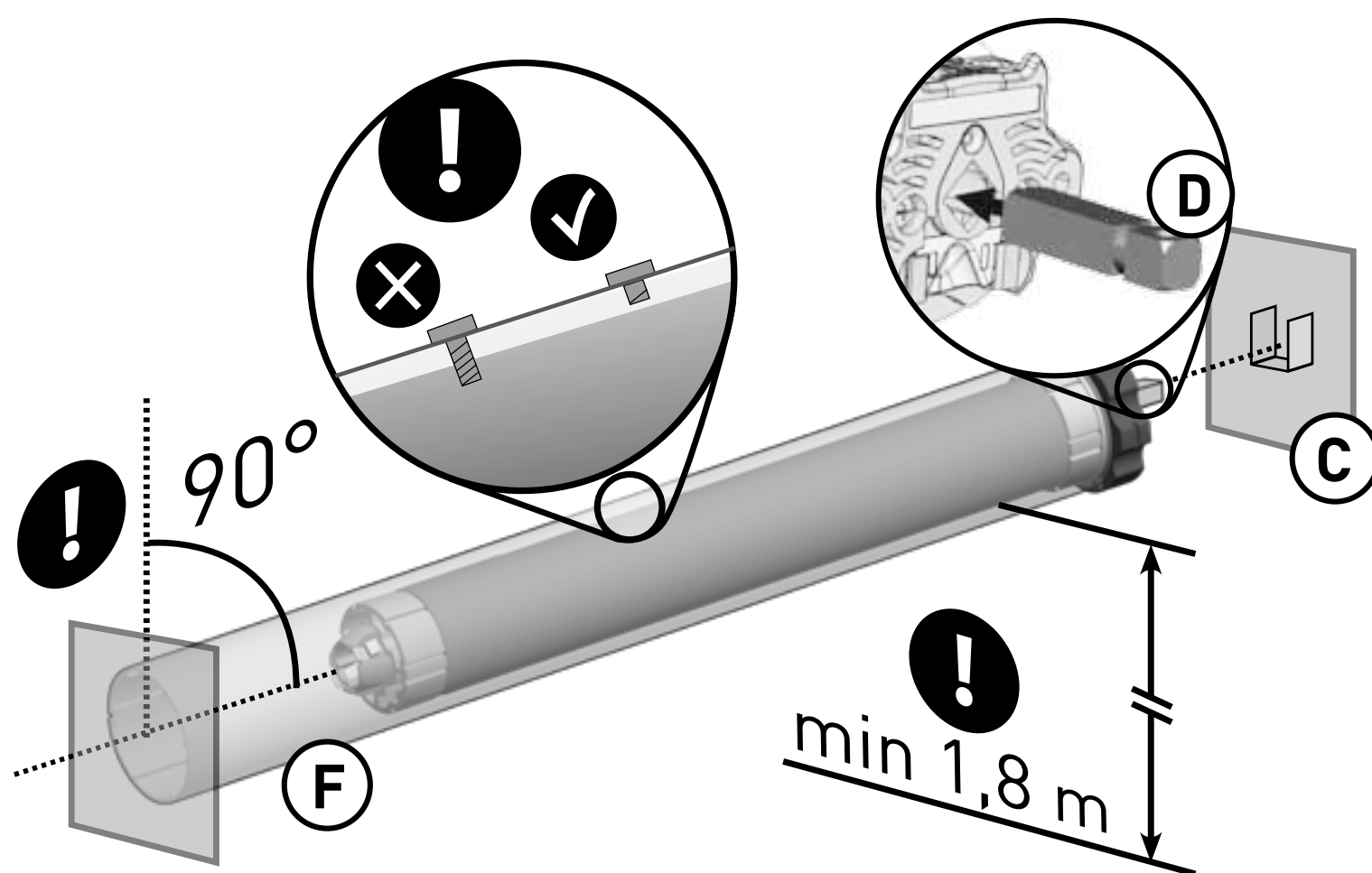
3

The fixing bracket (C) must be fixed inside the box or on the awning frame so that the roller tube (F) is perfectly horizontal and at a height not less than 1,8m.

4

[FOR XQ50] Place the motor square pin (D) on the bracket (C) and the cap at the opposite end of the tube on the fixing plate.

WARNING: Never hit on the head of the motor (D) when you insert it into the tube.



NOTES

- For the XQ50, with torque up to 15Nm, the minimum tube diameter is 50x1,5mm; for motors with higher torques, the minimum tube diameter is 60x1,5mm.
- For the XQ60, the minimum tube diameter is 63x1,5mm.

WARNING:

- The screws used to fix the last slat on the tube may be too long and reach the tubular part of the motor. Use appropriate screws or fixing clips.
- Motor moving parts installed under 2,5m from the ground must be protected.
- A wrong motor installation can damage persons or objects.

ELECTRICAL CONNECTION

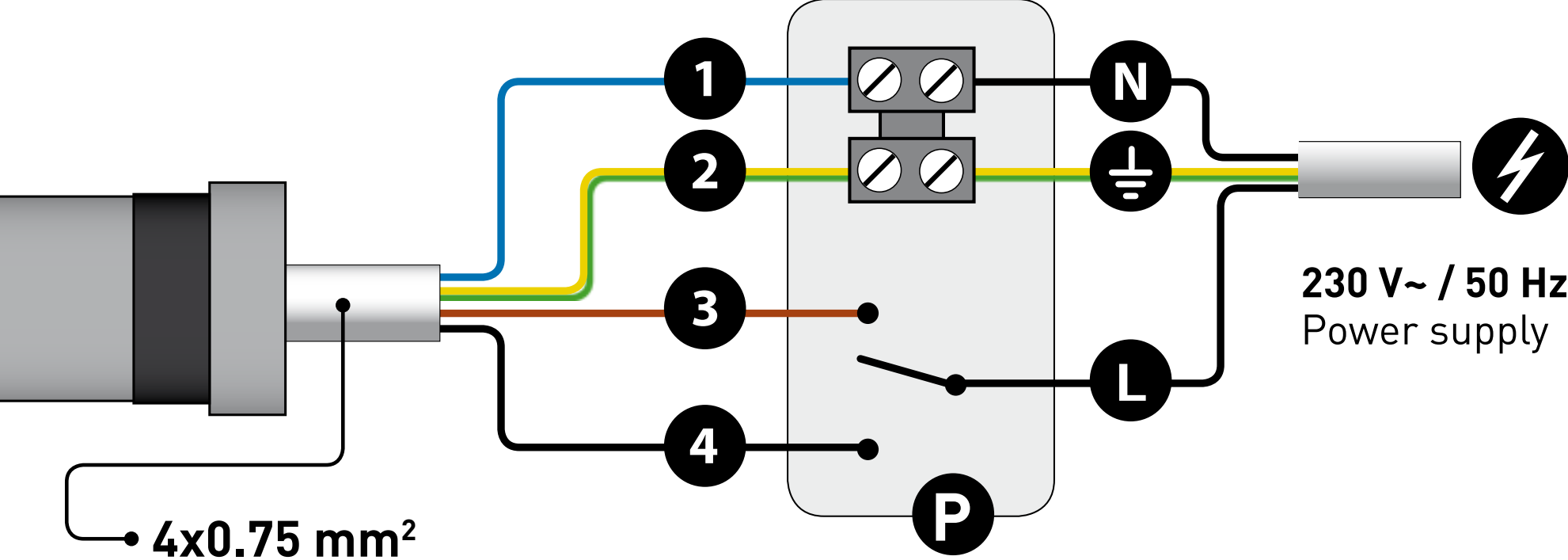


Check that the mains voltage available on the system is as shown on the label. The motor mains connection should be executed according to the diagram on the next page, by qualified technicians able to operate in compliance with the rules.

ATTENTION: The power supply must contemplate a switching device with an opening distance between contacts of at least 3mm.

The motors connecting cables to the network can only be replaced with cables of the same type provided by the motor manufacturer. If the connecting cables are damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Do not connect more than one tubular motor to a single switch.
- **WARNING:** Do not set the shutter/awning into motion while you are cleaning or servicing the device and disconnect the supply.
- The switch controlling the motor must be installed in full view, not higher than 1,5m and it must be kept far from moving parts.

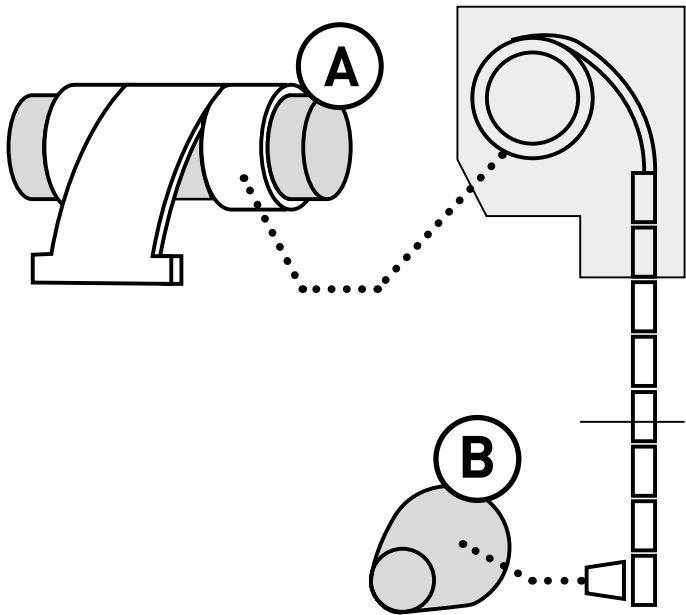


1	Neutral	Blue (Gray)
2	Ground	Yellow/Green
3	Direction of rotation 1	Brown
4	Direction of rotation 2	Black

N	Neutral
⏏	Ground
L	Phase
P	Push button

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITH AUTOMATIC LOCKS

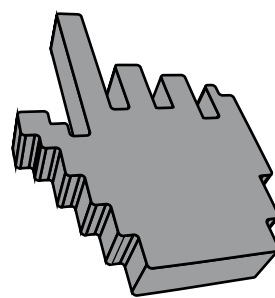
1/5



(A) Mounts for the descent limit switch
(B) Stops for the ascent limit switch

**OPTION 1 - USING THE SETTING SWITCH
DEVICE ACPRET**

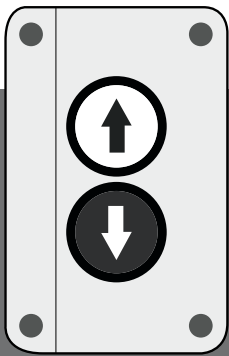
OPTION 2 - USING ANY STANDARD PUSH BUTTON



LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITH AUTOMATIC LOCKS



OPTION 1 - USING THE SETTING SWITCH DEVICE ACPRET

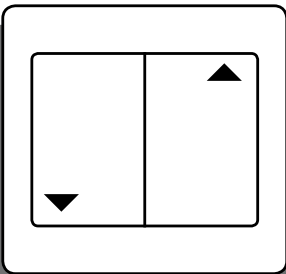


1	Pressing and holding Up and Down buttons together till the motor jogs	
2	Press and hold the UP button until the motor stops at the top position and continues to hold it until, after 2 seconds, the motor makes a slight downward movement. The UP end limit position is now set.	
3	Press and hold the DOWN button until the motor stops due to the automatic stops. The down limit switch is now adjusted.	
4	To verify the correct procedure, perform a complete up-and-down cycle.	

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITH AUTOMATIC LOCKS



OPTION 2 - USING ANY STANDARD PUSH BUTTON



1	Press the UP button three times, releasing it as soon as the motor starts moving.	
2	Press the DOWN button and release it as soon as the motor moves; repeat this twice.	
3	Press and hold DOWN for the third time until the motor makes a small movement in both directions.	

Note: The motor indicates that it has entered programming mode by pausing briefly for one second during movement.



LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITH AUTOMATIC LOCKS



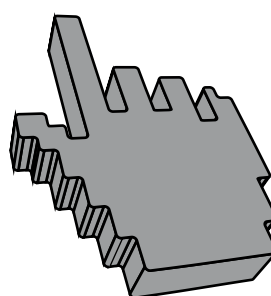
4	Press and hold the UP button until the motor stops at the top position and—after a 2-second pause—makes a slight downward movement. The UP end limit position is now set.	
5	Press and hold the DOWN button until the motor stops due to the automatic stops. The down limit switch is now adjusted.	
6	To verify the correct procedure, perform a complete up-and-down cycle.	

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS



**OPTION 1 - USING THE SETTING SWITCH
DEVICE ACPRET**

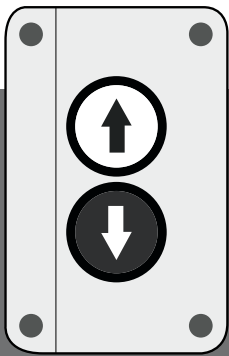
OPTION 2 - USING ANY STANDARD PUSH BUTTON



LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS



OPTION 1 - USING THE SETTING SWITCH DEVICE ACPRET



1	Pressing and holding Up and Down buttons together till the motor jogs	
2	Reach the upper limit position.	
3	Press and hold the UP and DOWN buttons simultaneously until the motor moves in both directions. The upper limit is now set.	

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS

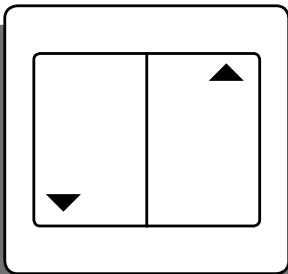


4	Reach the lower limit position.	
5	Press and hold the UP and DOWN buttons simultaneously until the motor moves in both directions. The lower limit switch is now set.	
6	To verify the correct procedure, perform a complete up-and-down cycle.	

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS



OPTION 2 - USING ANY STANDARD PUSH BUTTON

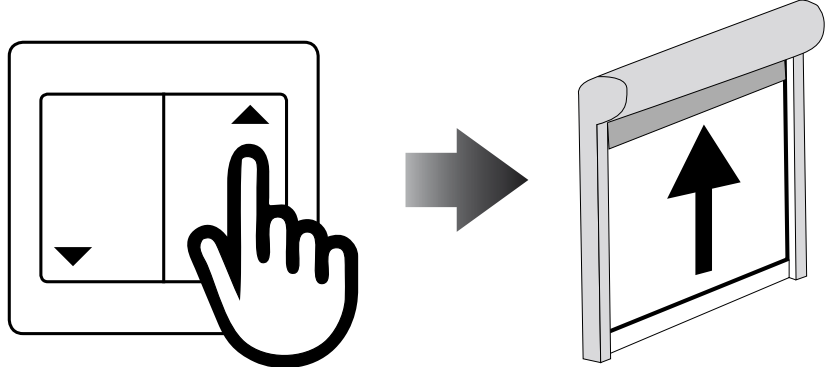
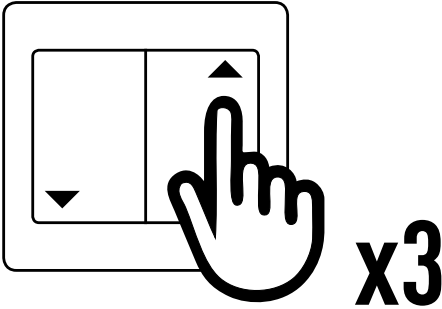
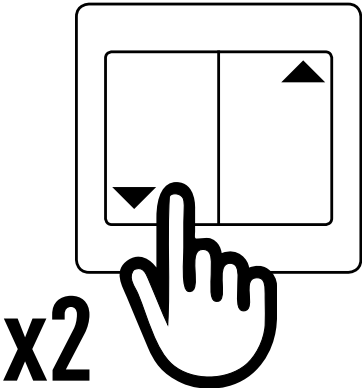
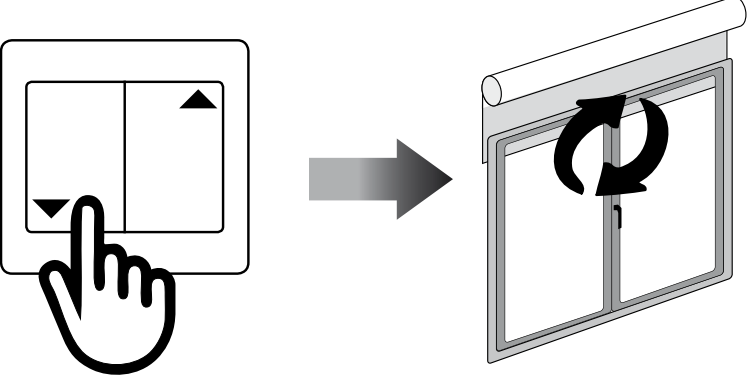


1	Press the UP button three times, releasing it as soon as the motor starts moving.	
2	Press the DOWN button and release it as soon as the motor moves; repeat this twice.	
3	Press and hold DOWN for the third time until the motor makes a small movement in both directions.	

Note: The motor indicates that it has entered programming mode by pausing briefly for one second during movement.

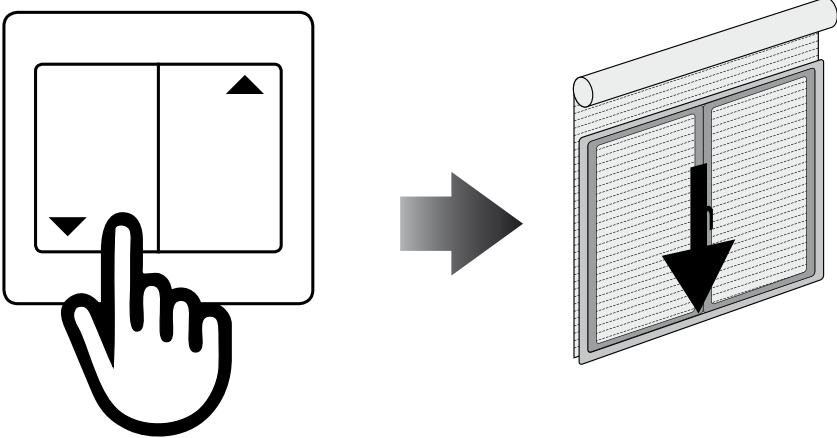
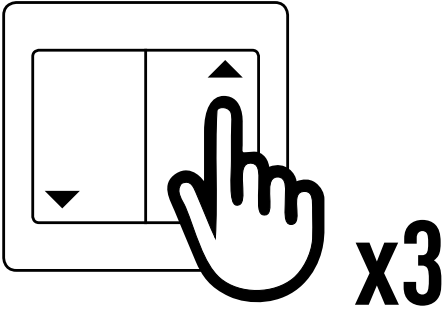
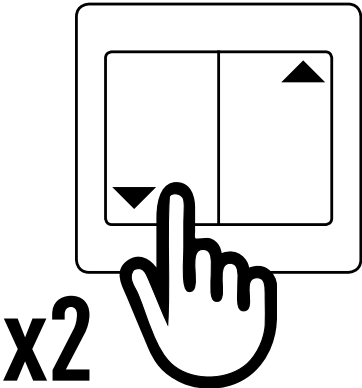
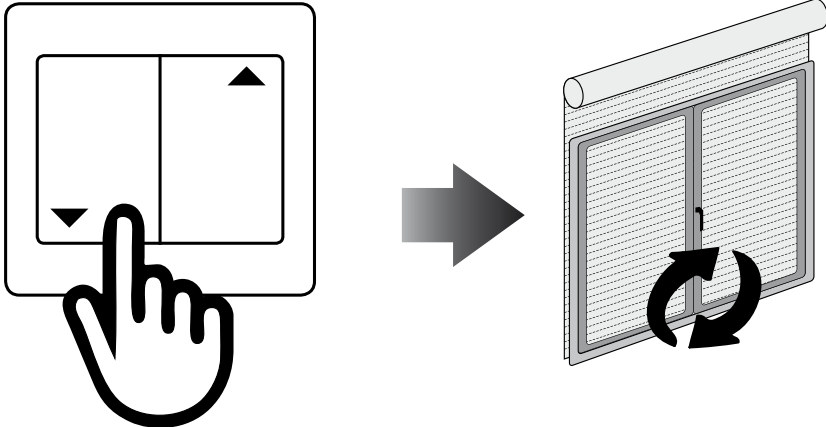
LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS



4	Reach the upper limit position.	
5	Press the UP button three times, releasing it as soon as the motor starts moving.	
6	Press the DOWN button and release it as soon as the motor moves; repeat this twice.	
7	Press and hold the DOWN button for the third time until the motor makes a small movement in both directions. The upper limit is now set.	

LIMIT SWITCH ADJUSTMENT FOR ROLLER SHUTTERS WITHOUT AUTOMATIC LOCKS



8	Reach the lower limit position.	
9	Press the UP button three times, releasing it as soon as the motor starts moving.	
10	Press the DOWN button and release it as soon as the motor moves; repeat this twice.	
11	Press and hold DOWN for the third time until the motor makes a small movement in both directions. The lower limit is set.	
12	To verify the correct procedure, perform a complete up-and-down cycle.	

DEACTIVATING OBSTACLE SENSITIVITY



1	Press UP button	
2	As soon as the motor runs upward press DOWN button	
3	As soon as the motor runs downward press UP button	
4	As soon as the motor runs upward press DOWN button	
5	As soon as the motor runs downward press UP button	
6	When the motor runs upward press and hold DOWN button until you get 1 jog as confirmation of deactivation.	

▼ ACTIVATING OBSTACLE SENSITIVITY

ACTIVATING OBSTACLE SENSITIVITY



1	Press UP button	
2	As soon as the motor runs upward press DOWN button	
3	As soon as the motor runs downward press UP button	
4	As soon as the motor runs upward press DOWN button	
5	As soon as the motor runs downward press UP button	
6	When the motor runs upward press and hold DOWN button until you get 2 jog as confirmation of activation.	

