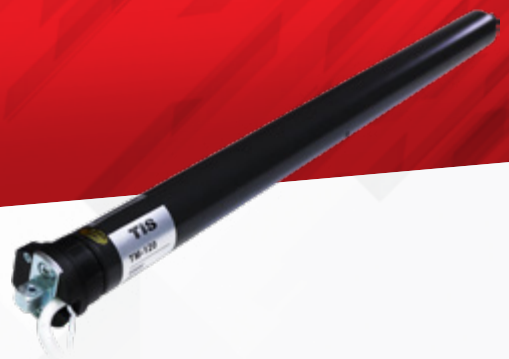
INSTALLATION MANUAL

TIS ROLLER MOTOR

Model: TIS-TM120

CONTROL EVERYTHING



PRODUCT INFORMATION

This solution is used to control blinds and roman rollers and features an RF antenna, so you can control your curtains using the TIS remote control or via the TIS mobile application and software.

PRODUCT SPECIFICATIONS			
	Input	Input Voltage Current rating Rated power	AC 230V 50 HZ <0.5A 120W
	Motor	Rated Torque Rated speed Motor noise Security Payload	6 N.m 22 rpm <35db(A) 20KG
TISBUS	**TIS Bus**	Number of devices on 1 line	Max. 64
	Protection	Bus connection Memory	Reverse Polarity Protection Open/Close position programmable
	Reaction time		approx. 20ms
	Mounting		Inside the roller tube
	Connection terminal	Data / Bus	3 bin bus terminal
	Operating and display elements	Programming button/LED By TIS bus	For programming /resetting remote TIS Protocol messages and commands
	Functions		Open / Close / Stop
	Weight	Without packaging	1.0 KG
	Dimensions		50mm (diameter) × 480mm (length)
	Housing	Materials IP Rating	Aluminum black IP 44

BARCODE (UPC-A)

6 58921 79882 9

INSTALLATION MANUAL
TIS ROLLER MOTOR
MODEL: TIS-TM120

Read Instructions

We recommend that you read this Instruction Manual before installation.

Safety instructions

Electrical equipment should only be installed and fitted by electrically skilled persons.
Failure to follow the instructions may cause damage to the device and other hazards.
These instructions are an integral part of the product and must remain with the end customer.

Programming

This device can be tested and programmed manually Using Motor RF remote. Advanced programming requires knowledge of the TIS Device Search software and instruction in the TIS advanced training courses.

Mounting Location

Install in a dry, indoor area with a suitable temperature and humidity range.

Data Cable

Use screened stranded RS485 data cable with 3 twisted pairs. Configure devices in a “Daisy Chain.”
Do not cut or terminate live data cables.

Electrical Wires

The recommended wire size for light channels is 1.5mm for Power Connection.

Warranty

There is a one-year warranty provided by law.

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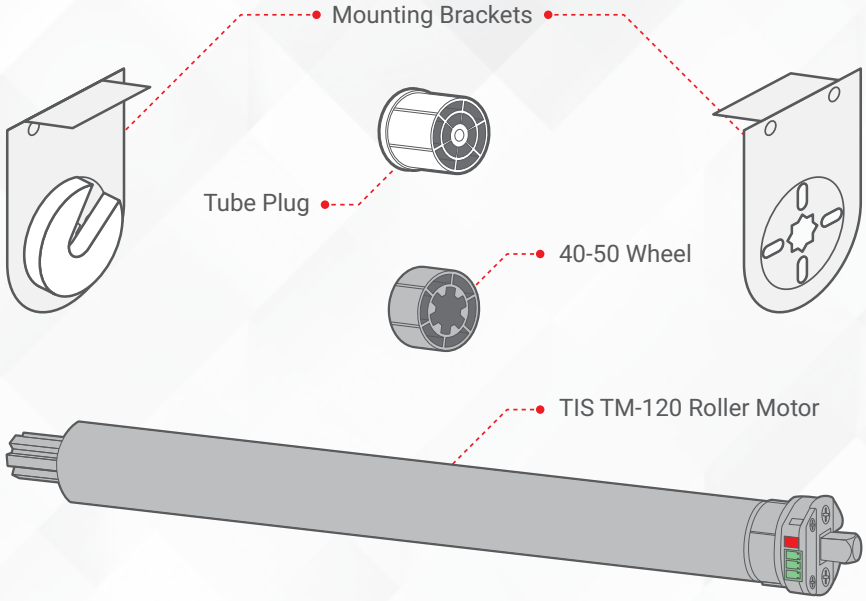
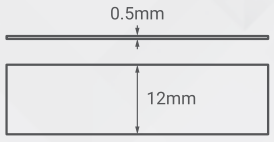
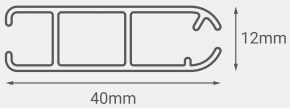
DEVICE ACCESSORIES



OTHER ACCESSORIES (not included in the box)

PART NAME		LENGTH
40-50 Tube		400mm
12 × 0.5 PVC Fabric Plate		450mm
Fabric		450mm(W) × 2000mm(H)
3.5 plastic stick		450mm
40 × 12 down rail		610mm

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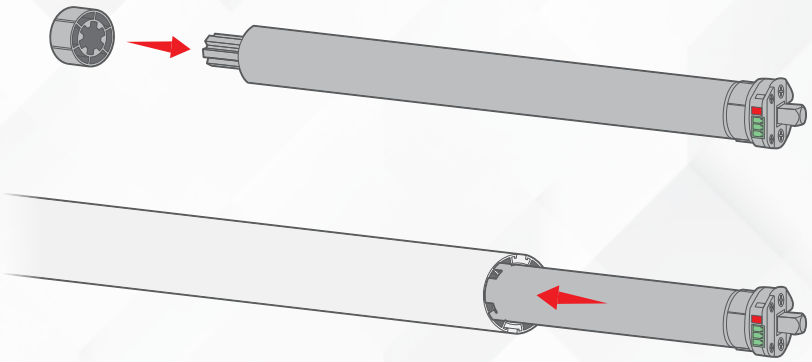
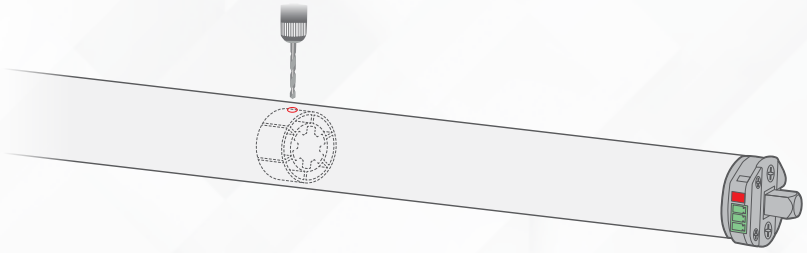
LIFTING PART ASSEMBLY

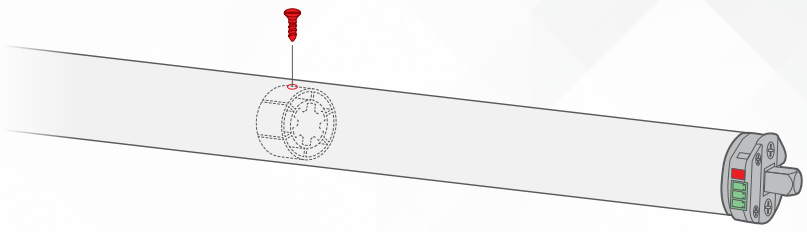
1» Conjoin the motor and the wheels, then place it inside the 40-50 tube.



2» Drill a screw hole on the tube, where the wheel is placed.



3» Put a BGB.846-ST3P5*16 screw into the hole and fix the motor.



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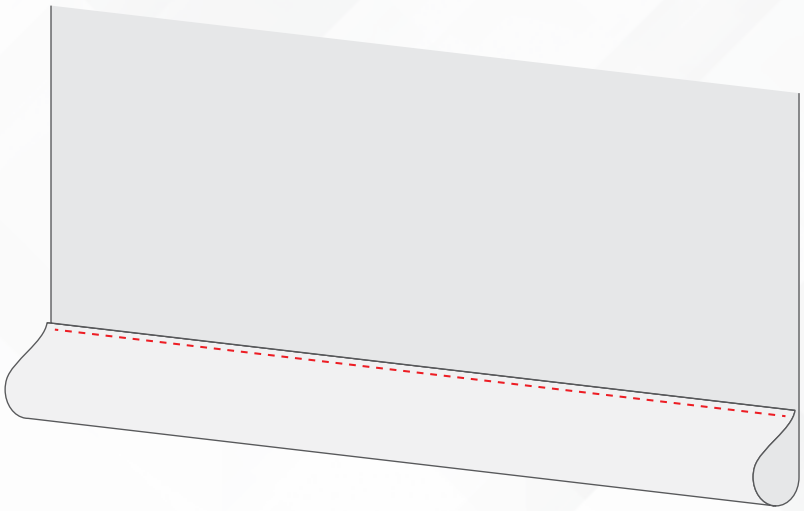
FABRIC SOLDERING

1 Solder the 12×0.5 PVC plate to the upper end of the fabric.

2 Use a welding machine to minimize the edgefold, then solder the edgefold to the lower end of the fabric.



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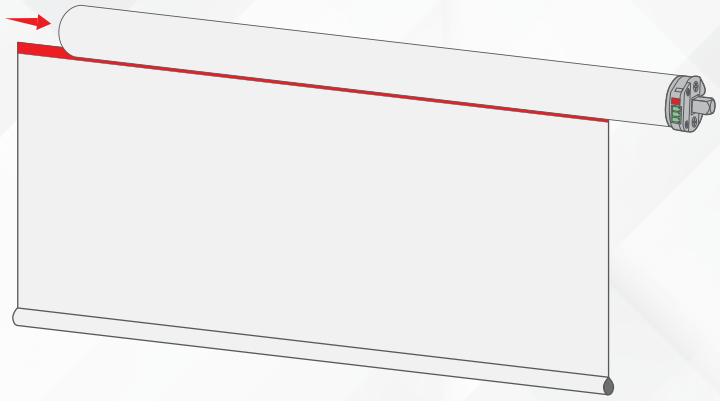
INSTALLATION STEPS

1 Put the fabric with plate into the roller tube.



2 Place the plug at the end of the tube.

3 Put the plastic stick into the fabric pocket you made in Step 2 of Fabric Soldering.

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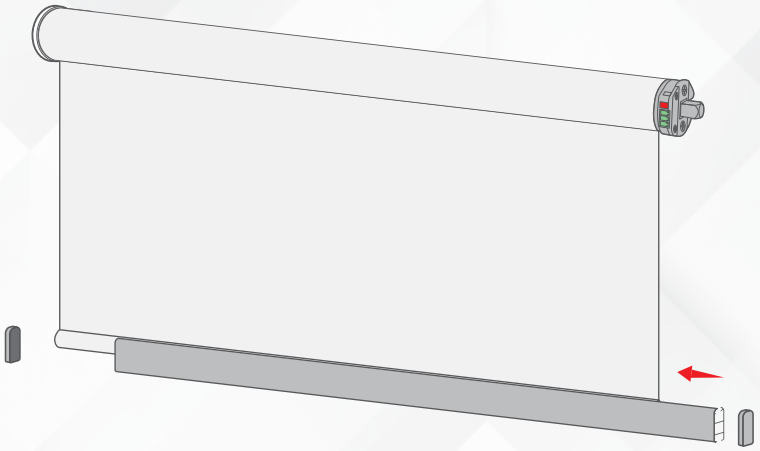
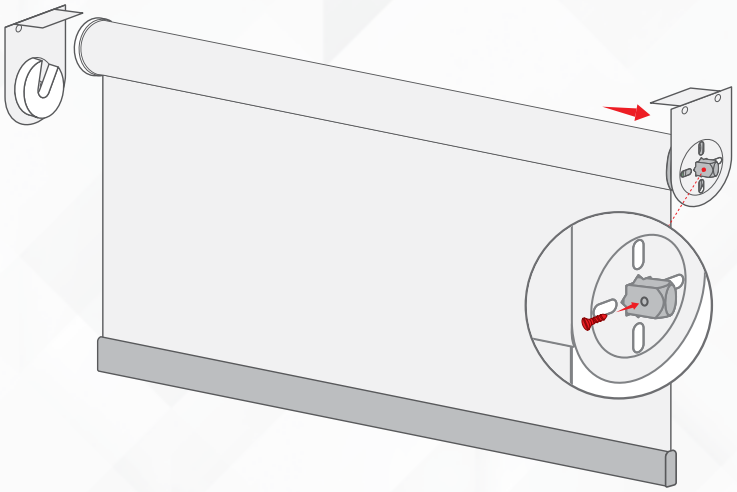
INSTALLATION STEPS

4 Place the down rail onto the fabric and then attach the plugs to both ends of it.



5 Put the motor into the mounting bracket from one side and then, use a GB.845_ST3P5*12 screw to fix the motor in the mounting kit.



6 Place the other end of the tube into the mounting kit and press down until you hear a click and they are completely fixed.

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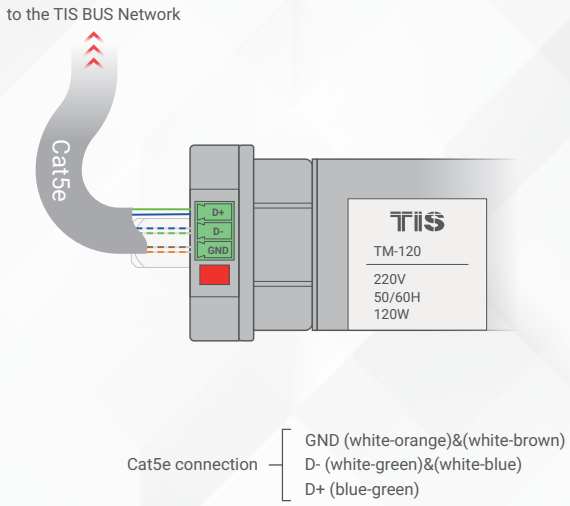
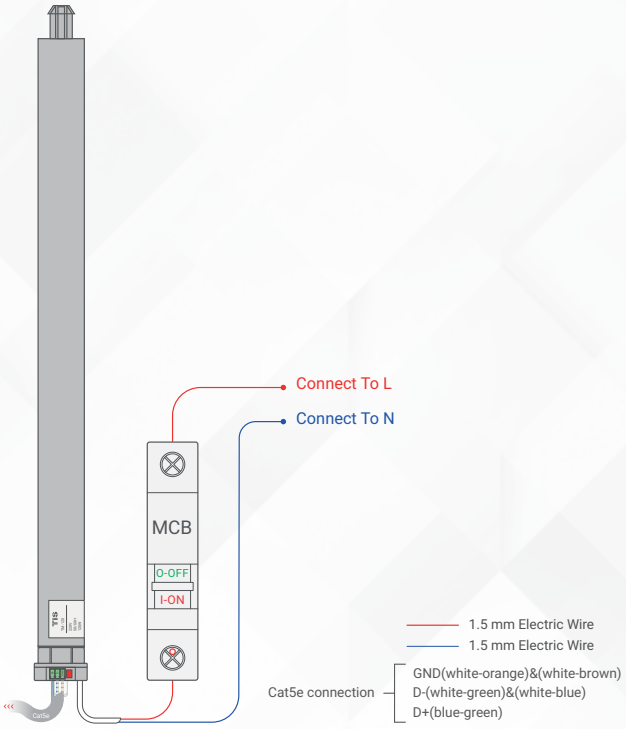
INSTALLATION STEPS

7 Connect to the TIS-BUS Network using the D-, D+, and the GND terminals as shown in the diagram.



8 Connect the 230V Power to the L/N terminals.



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CONFIGURATION STEPS

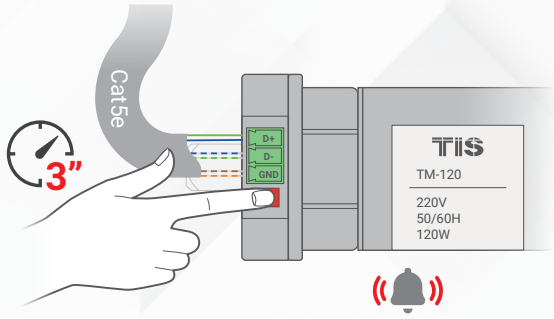
PROGRAMMING WITH REMOTE CONTROL

The TM-120 roller motor's Open & Close limit points are not part of the default settings and they must be programmed using the motor's remote control. After the configuration, you can test the motor using the BUS network.

To use the TM-120 motor with the RF remote control, you need to do as follows:

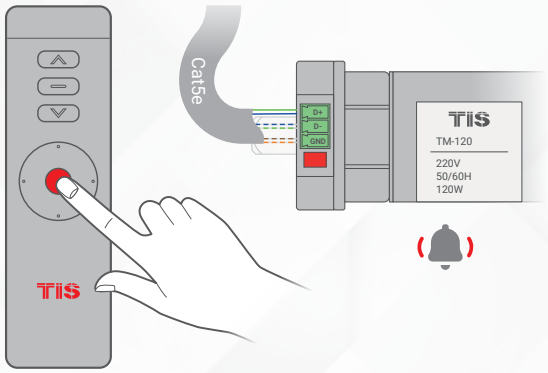
1 ENTER CODE-LEARNING MODE

Long press on the motor's [code learning] red button for 3 seconds. The motor's buzzer will start beeping continuously.



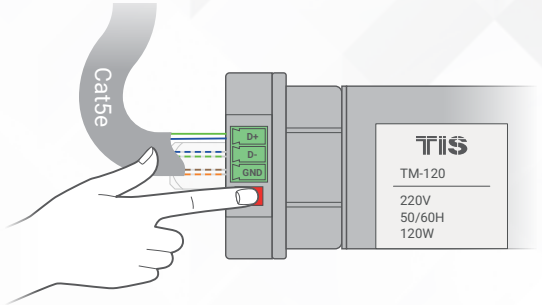
2 CHANNEL SETTING

Press the remote's **Center** (select) button. The motor's buzzer will beep intermittently.



3 CONFIRMATION

Shortly press the motor's [code learning] red button. If the code learning is successful, the buzzer will stop beeping and quit code-learning status.



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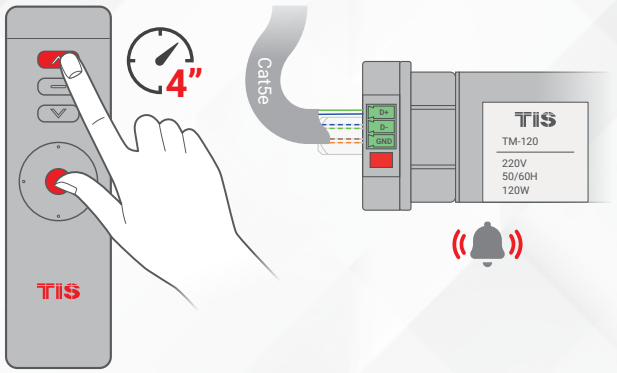
CONFIGURATION STEPS

4 ENTER OPEN-LIMIT PROGRAMMING MODE

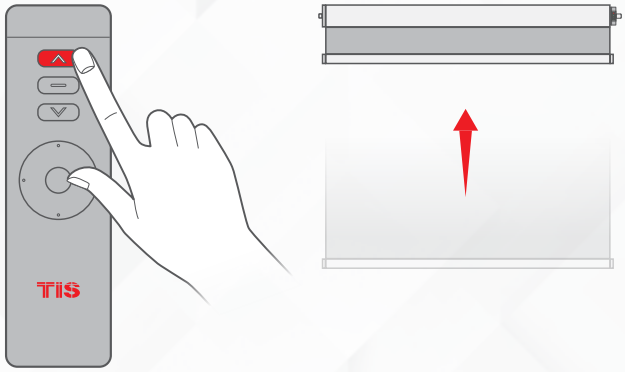
Long-press the remote's **Center** & **Up** buttons simultaneously for 4 seconds until the buzzer sounds a long beep.



5 SET THE OPENING LIMIT POINT

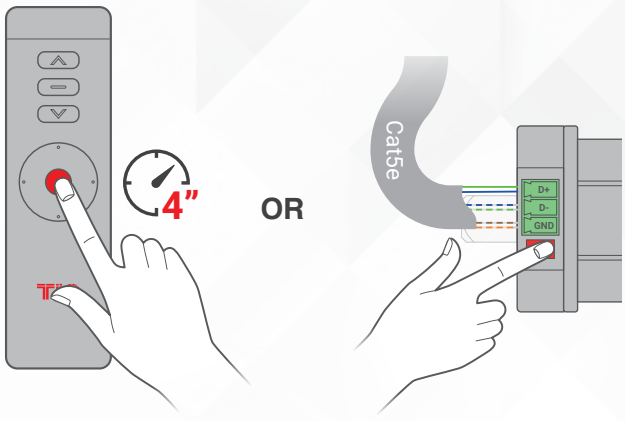
open the curtain to the point where the customer requested (normally fully open) and hold it at that point by pressing the **Up** button on the remote.

You can adjust the curtain's position Using the **Up**, **Stop**, and **Down** buttons.



6 CONFIRM THE OPEN LIMIT

Press the remote's **Center** button for 4 seconds or select the motor's **Code-learning** button. If the motor's buzzer stops beeping subsequently, the opening limit point is programmed successfully.



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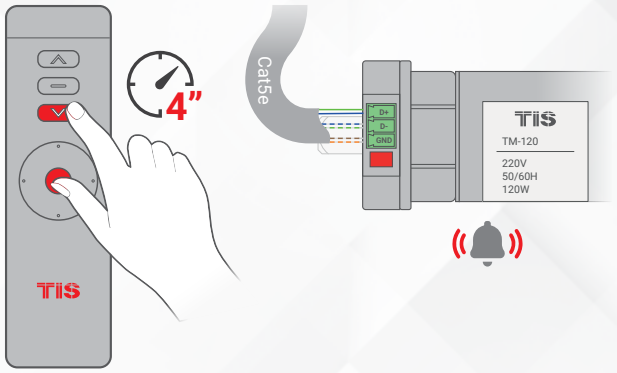
CONFIGURATION STEPS

7 ENTER THE CLOSE-LIMIT PROGRAMMING MODE

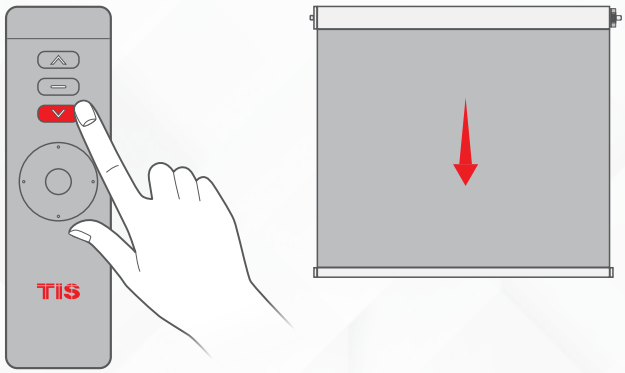
Long-press the remote's **Center** & **Down** buttons simultaneously for 4 seconds. The motor's buzzer will start long beeping.



8 SET THE CLOSING LIMIT POINT

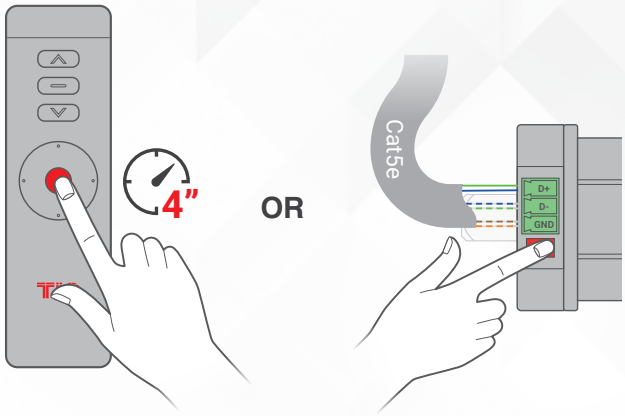
Close the curtain to the point where the customer requested (normally fully closed) and hold it at that point by pressing the **Down** button on the remote.

You can adjust the curtain's position Using the **Up**, **Stop**, and **Down** buttons.



9 CONFIRM THE CLOSE LIMIT

Press the remote's **Center** button for 4 seconds or select the **motor's code-learning** button. If the motor's buzzer stops beeping subsequently, the opening limit point is programmed successfully.



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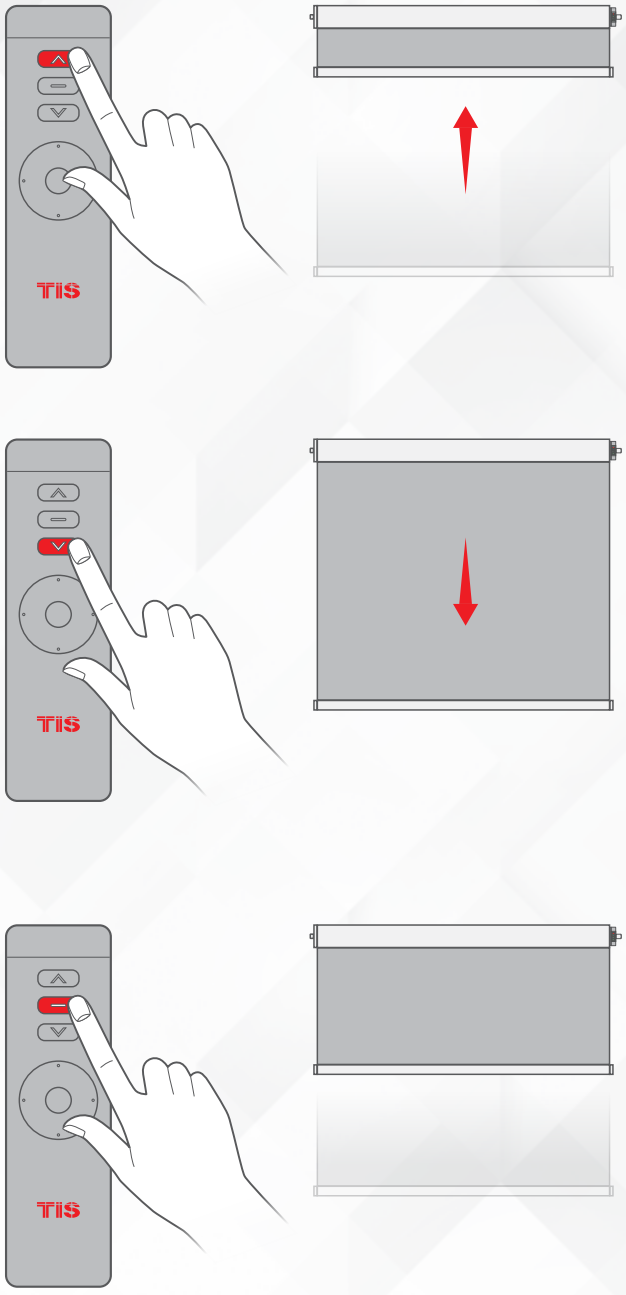
CONFIGURATION STEPS

10» TEST THE PROGRAMMING

Use the remote's **Up**, **Stop**, and **Down** buttons to see if everything is configured properly. If the motor reacts to each command accordingly, it's all set, and you are good to go.



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