

Meross MRS200

Meross Matter Electric Roller Shutter Belt Winder (MRS200) Instruction Manual

Model: MRS200 | Brand: Meross

1. INTRODUCTION

This manual provides detailed instructions for the Meross Matter Electric Roller Shutter Belt Winder (MRS200). This innovative device allows you to automate and conveniently control your roller shutters via your smartphone or voice assistants. It supports Matter, ensuring true privacy and interoperability across various smart home ecosystems. Key features include 100% local control without cloud dependency, no mandatory manufacturer app, reliable Wi-Fi operation even without internet, and ultra-fast setup via QR code. The device offers precise 1% control of your roller shutters, scheduled operations, and smart home integration with light and temperature sensors for enhanced energy efficiency, comfort, and safety.

2. SAFETY INFORMATION

Please read the following safety information carefully before proceeding with installation and operation.

- Installation should only be performed by qualified personnel familiar with local building and electrical codes.
- **Always disconnect the device from the power supply during installation to prevent electrical shock.**
- Ensure that the roller shutters operate smoothly without jamming.
- Inspect the product before installation for any damage.
- Do not use the device for purposes other than those intended.
- Keep out of reach of children.
- The device features multiple security protections, including overload protection and intelligent algorithms for obstacle detection during closing, ensuring safe operation around children and pets.

Ahorro sin Esfuerzo, Impacto Significativo.

Desde 2016, nuestros productos neutros en CO₂ han compensado más de 5,6 millones de kg de CO₂. Esto equivale a:



La plantación de más de 3 millones de árboles.



Ahorro anual de más de 1,2 millones de barriles de petróleo crudo.



Desaparición anual de alrededor de 300 000 coches de las carreteras.

Image: Superior Safety features including overload protection and obstacle detection.

8.1 TWh

Hasta ahora, más de 100 000 hogares confían en los termostatos inteligentes Meross y ahorran más de 8,1 TWh de energía al año.



74%

Menos envases de plástico: reducción directa del uso de plástico en un 74 % para combatir la «contaminación blanca» en su origen.

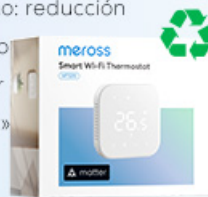


Image: Scene Automation showing a smoke detector triggering roller shutter opening for ventilation. **Warning: Configure automation responsibly. In case of fire, opening windows may increase oxygen and intensify flames. Adjust according to your home layout and fire safety guidance.**

3. PACKAGE CONTENTS

Upon opening the device package, you will find the following items:

- Meross Matter Electric Roller Shutter Belt Winder (MRS200)
- Light Sensor
- Power Cable
- Roller Compartment Cover

- Fixing Hole Cover
- Belt Corner Support
- Mounting Screws
- Disengagement Support

Video: Unboxing and package contents of the Meross MRS200. This video demonstrates the items included in the box, such as the main unit, light sensor, power cable, and various mounting accessories.

4. INSTALLATION REQUIREMENTS

Before installation, ensure your setup meets the following criteria:

- Suitable for flush-mounted devices.
- The installation surface must be strong, level, and flat.
- Maximum pull force: 45 kg.
- Maximum permissible shutter surface area: approximately 6 m² for plastic roller shutters, or 3 m² for aluminum and wooden roller shutters.
- Compatible with belts 15 to 23 mm wide.
- Distance between fixing centers: 165 mm or 185 mm.



Image: Detailed dimensions of the Meross MRS200, including mounting hole spacing (165mm or 185mm) and overall unit size. This helps ensure proper fit for flush mounting.



Image: Essential checks for roller shutter compatibility, including belt width, thickness, and maximum length, as well as permissible shutter surface area based on material.

5. TOOLS REQUIRED

Before you begin the installation, gather the following tools:

- Phillips screwdriver
- Scissors
- Measuring tape
- Pen or pencil

6. INSTALLATION STEPS

1. **Lower the Shutter:** Completely lower the roller shutter before starting the installation.
2. **Release Belt Tension:** Carefully release the tension from the roller shutter belt to avoid injuries. Ensure the belt is no longer under tension before proceeding.
3. **Extend the Belt:** Fully extend the belt from its housing.
4. **Remove Old Winder:** When removing the old belt winder, be careful as the pre-tensioned spring can cause sudden movements. Handle with care to prevent injuries.
5. **Prepare the Belt:** Cut the belt at the 20cm mark, ensuring a straight edge for the new accessory. Make a 2cm cut in the belt to accommodate the gear mechanism of the new device.
6. **Connect Power Cable:** Before connecting the power cable, ensure it is not plugged into a power source. Insert the power cable into the device's terminal and secure it firmly with a flat-head screwdriver.
7. **Route Power Cable:** Align the power cable along the channel and secure it with the provided cover.
8. **Prepare Belt Fixation:** Carefully slide the fixing hook forward using the control buttons to prepare for belt fixation.
9. **Insert and Secure Belt:** Insert the belt through the designated slot and place the cut end of the belt into the

fixing hook. Manually turn the reel to wind the belt around 2-3 times, ensuring it is firmly in place.

10. **Install Reel Compartment Cover:** After securing the belt, place the reel compartment cover to protect the assembly.
11. **Mount the Device:** Pull the belt to reveal the screw holes. Fix the device to the wall using the provided screws.
12. **Hide Mounting Hardware:** Place the cover over the fixing holes to conceal the mounting hardware.
13. **Power On:** Plug in the device to power it on. If the device operates manually and the LED flashes amber and green, proceed with network configuration.

Video: Detailed installation guide for the Meross MRS200 Electric Roller Shutter Belt Winder. This video covers all physical installation steps from preparing the belt to mounting the device.

7. SETUP

The Meross MRS200 supports Matter, allowing integration with various smart home platforms. Ensure your smartphone and Matter device are connected to the same 2.4 GHz Wi-Fi network. Matter devices DO NOT support 5 GHz Wi-Fi. Also, ensure Bluetooth is enabled on your smartphone (iOS 16.1+ or Android 8.1+ with Bluetooth 4.2+).

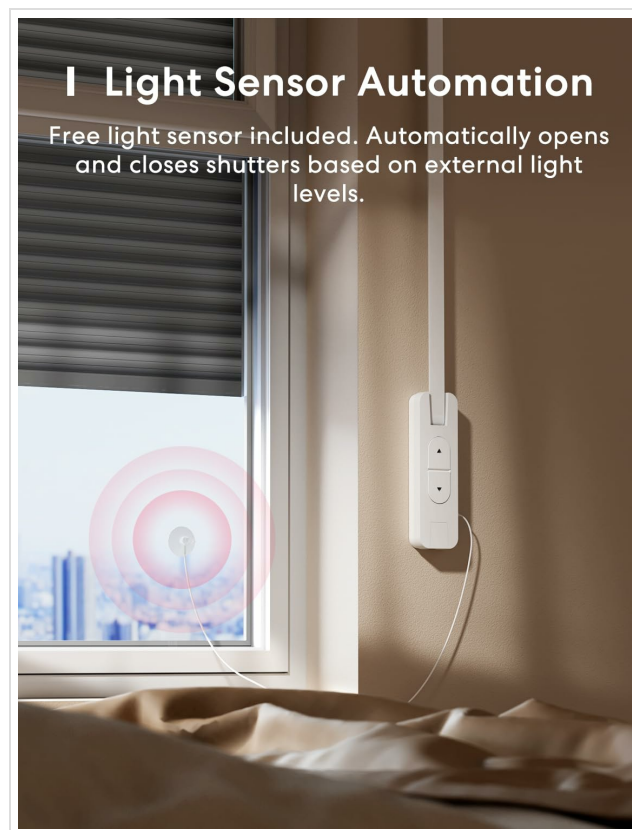


Image: Matter Hubs Compatibility showing various Amazon Echo, Google Nest, and Apple HomePod devices that can act as Matter hubs.

7.1. Adding to Google Home

Follow these steps to add your Matter device to Google Home:

1. Open the Google Home app on your device.
2. Click the "+" symbol and then select "Add Device".
3. Select "Matter" from the list of device types.
4. Click "Scan QR Code" and scan the QR code on your device or packaging.

5. Wait for the device to connect. This may take some time.
6. Choose a location for your device and name it.
7. After connecting the device, click "Complete".

Video: Guide on how to add your Matter device to Google Home. This video demonstrates the step-by-step process of pairing the device with the Google Home app.

7.2. Adding to Amazon Alexa

Follow these steps to add your Matter device to Amazon Alexa:

1. Open the Amazon Alexa app on your device.
2. Click the "+" symbol and then select "Add Device".
3. Select "Matter" from the list of device types.
4. Click "Scan QR Code" and scan the QR code on your device or packaging.
5. Wait for the device to connect. This may take some time.
6. Click "Next" to complete the configuration.

Video: Guide on how to add your Matter device to Amazon Alexa. This video demonstrates the step-by-step process of pairing the device with the Alexa app.

7.3. Sharing Matter Device with Other Platforms

After adding the device to one platform, you may need to add it to another. To do this, you need to activate pairing mode and generate a new pairing code. The methods are as follows:

1. Go to the device configuration page in the Google Home or Amazon Alexa app.
2. Click on "Linked Matter apps & services" (Google Home) or "Other Assistants and Applications" (Alexa).
3. Click on "Link apps & services" or "Add another" to create a new installation code.
4. Copy the new configuration code that appears. This code is temporary and valid for about 3 minutes.

*Scan the QR code for more information on Multi-Admin (cross-platform configuration).

7.4. Adding Paired Matter Devices to the Meross App

While Matter provides general daily use configuration, some advanced functions (like energy statistics, firmware updates, and other advanced options) are only accessible through the Meross App. Ensure your phone and Matter device are connected to the same Wi-Fi network. First, complete the Matter device configuration in Google Home or Alexa, then add it to the Meross App.

1. Open the Meross App and click on "+".
2. The paired Matter device will be automatically found. Click "Add".
3. Wait for the device to connect.

8. AUTOMATIC CALIBRATION

After successful pairing, perform Automatic Calibration. This process detects and sets the upper and lower limits of the roller shutter based on a set midpoint, allowing for precise percentage-based control of the shutter position.

1. Manually place your roller shutter at the midpoint of the window. You can operate and stop the shutter by clicking the 'up' or 'down' buttons.
2. In the Meross app, click 'Start Calibration'. Your shutter will automatically move up and down for about 1-2 minutes before stopping in the fully open position. Stay nearby to ensure successful calibration. Avoid

interruptions and do not turn off the power during this process.

Note: Without calibration, the roller shutter will only support full open or full close operations, without percentage adjustment.

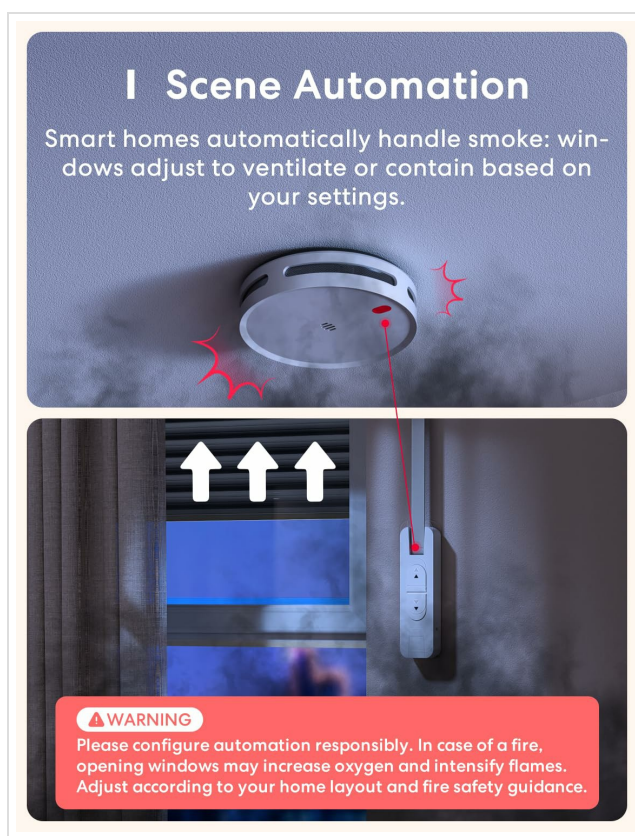


Image: Automatic calibration process for the Meross MRS200, showing the app interface for setting the midpoint and initiating calibration for precise 1%-100% control.

9. LIGHT SENSOR CONFIGURATION

The light sensor measures environmental light levels, facilitating automated control of the roller shutter to improve energy efficiency, security, and home comfort. Using this feature requires the installation of the included light sensor and activation of the function.

1. Connect the Light Sensor to the device following the diagram. Avoid using excessive force that could damage the interface, and do not sharply bend the sensor cable.
2. Install the Light Sensor in the lower corner of the window, following the diagram, and avoid placing it too high (minimum 20cm from the bottom). Fix the sensor to the glass using the suction cup.
3. The "Solar Position" must be set just above the light sensor to ensure the sensor is not obstructed by the roller shutter. This preset position is crucial for allowing automatic adjustment of the shutter based on specific light conditions. An incorrect position can affect the accuracy of the measurement and potentially disable the function.
4. Test the sensor by pointing it towards a bright area, a dimly lit area, covering the light input, etc. Observe the corresponding changes in brightness in the app to ensure the sensor is functioning correctly. This can be done in the setup assistant or within the device settings.

If you do not need this feature, you can skip the light sensor installation. It will not affect the main function of the device.

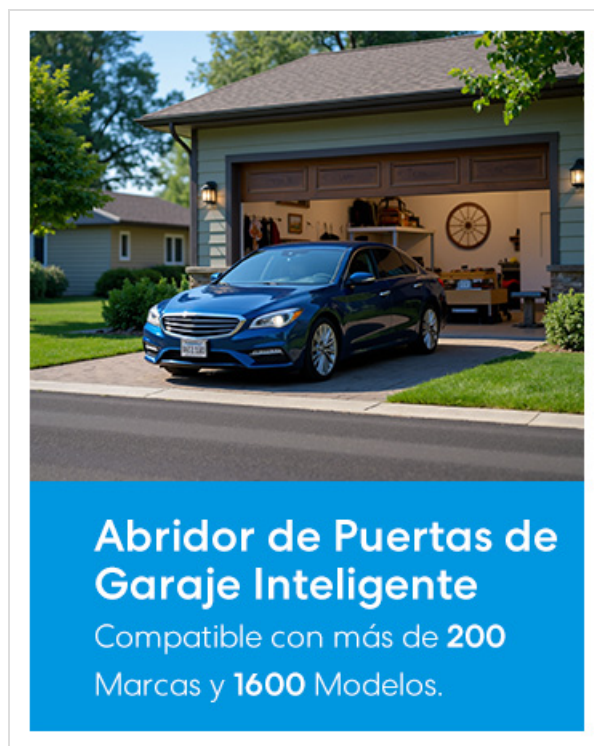


Image: Light Sensor Automation showing the sensor connected to the device and placed on the window for automatic light-based control.

10. OPERATING INSTRUCTIONS

The Meross MRS200 offers various ways to control your roller shutters, enhancing convenience and smart home integration.

10.1. Manual Control

You can manually operate the roller shutter using the physical 'up' and 'down' buttons on the device.

10.2. App Control

Control your roller shutters with precision using the Meross app or your preferred Matter-compatible smart home app. Adjust the shutter position in 1% increments from 0% to 100%.

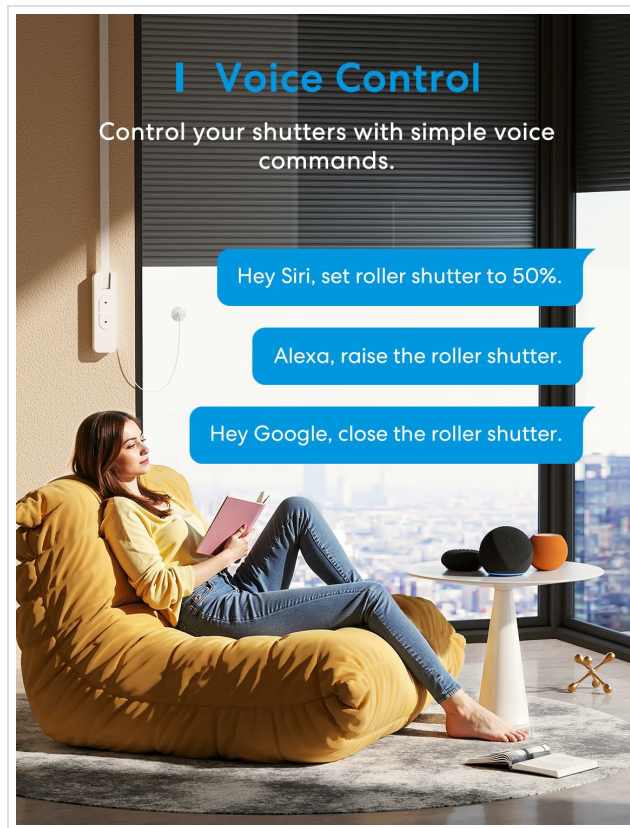


Image: Smartphone screen displaying the Meross app interface for controlling the roller shutter position with percentage adjustment.

10.3. Voice Control

Integrate with voice assistants like Alexa, Google Assistant, and Siri for hands-free control. Use simple commands such as "Alexa, open the shutter to 30%" or "Hey Siri, set roller shutter to 50%".

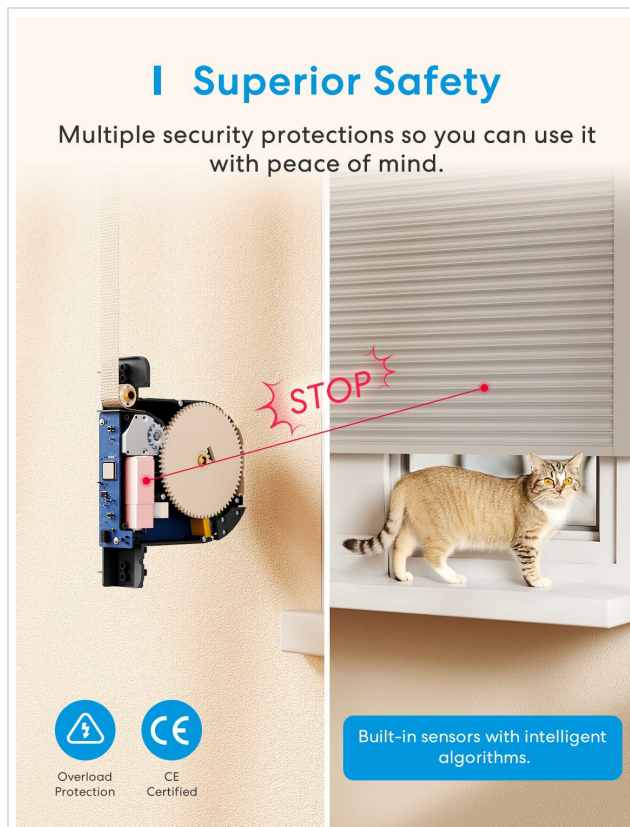


Image: A user controlling roller shutters with voice commands via smart speakers, demonstrating compatibility with Alexa, Google, and Siri.

10.4. Remote Control

Control your devices remotely via the Meross app (no hub needed for basic remote control). Access your roller shutters anytime, anywhere with an internet connection.



Image: Remote control functionality of the Meross MRS200 via a smartphone app, showing control from outside the home.

10.5. Scheduling and Scene Automation

Automate your roller shutters according to your needs:

- **Time-based Scheduling:** Program opening/closing times (e.g., presence simulation when traveling).
- **Light Sensor Automation:** The integrated light sensor automatically adjusts shutters based on external light levels.
- **Temperature-based Control:** When connected to compatible temperature sensors (e.g., HomePod/MTS200), shutters can close automatically if the temperature exceeds 30°C and reopen at 22°C for optimal comfort.
- **Safety Automation:** Link to smoke detectors (sold separately) to automatically open roller shutters in emergencies for ventilation.

Video: Preview of Meross Matter WiFi Roller Shutter features, including automatic calibration, light sensor automation, temperature control, and scene automation for enhanced comfort and safety.

11. MAINTENANCE

- Regularly check the roller shutter belt for wear and tear. Replace if necessary.
- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Ensure the roller shutter mechanism operates smoothly. Lubricate moving parts if recommended by the shutter manufacturer.
- Periodically check for firmware updates through the Meross app to ensure optimal performance and access to new features.

12. TROUBLESHOOTING





- **Device not responding:** Check if the device is properly plugged into a power outlet. Ensure your Wi-Fi network is active and the device is connected. Try restarting the device by unplugging and re-plugging it.
- **Cannot connect to Wi-Fi:** Ensure your Wi-Fi network is 2.4 GHz. Matter devices do not support 5 GHz Wi-Fi. Verify that your smartphone's Bluetooth is enabled and that you are within range of the device during setup.
- **Roller shutter not moving correctly:** Perform an automatic calibration through the Meross app. Ensure there are no obstructions in the path of the roller shutter. Check the belt for any damage or improper installation.
- **Voice commands not working:** Verify that the device is correctly linked to your voice assistant (Alexa, Google Assistant, Siri) and that your commands are clear and precise.
- **Light sensor not working:** Ensure the light sensor is properly connected to the device and positioned correctly on the window, not obstructed by the shutter. Test the sensor's functionality through the Meross app.
- **Power outage:** The device features manual motor disengagement, allowing you to manually operate the shutter during power outages. Ensure to hold the roller shutter to prevent it from falling when manually disengaging the motor.

13. SPECIFICATIONS

Feature	Specification
Model Number	MRS200
Dimensions (L x W x H)	16.3 x 6.1 x 21 cm
Weight	1.12 kg
Operating Mode	ON-OFF
Rated Current	1 Amperes
Operating Voltage	230 Volts
Contact Type	Normally closed
Connector Type	Crimped
Terminal	Screw
Circuit Type	1 way
Actuator Type	Tactile

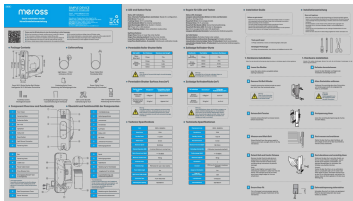
14. WARRANTY AND SUPPORT

Meross provides lifetime technical support for its products. For warranty information or further assistance, please refer to the official Meross website or contact their customer support directly. Keep your purchase receipt for warranty claims.

	<p>Meross Matter WiFi Roller Shutter Switch User Guide</p> <p>This guide provides safety information and instructions for the Meross Matter WiFi Roller Shutter Switch, compatible with Apple HomeKit, Siri, Alexa, Google Assistant, and SmartThings.</p>
	<p>Meross MRS100 Smart Roller Shutter Timer Quick Installation Guide</p> <p>Comprehensive guide for installing and setting up the Meross MRS100 Smart Roller Shutter Timer, including wiring diagrams, LED status, button functions, and smart home integration.</p>
	<p>Meross MRS105 Quick Installation Guide</p> <p>A comprehensive guide to installing and setting up the Meross MRS105 Smart Roller Shutter Switch, including hardware installation, device pairing, and Matter integration with smart home platforms.</p>
	<p>Meross Smart Bulb User Manual</p> <p>User manual for Meross smart bulbs, covering safety information, quick installation guide, how to use features like voice control with Amazon Alexa and Google Assistant, Apple HomeKit integration, and troubleshooting.</p>
	<p>Meross MSG100 Smart Garage Door Opener User Manual</p> <p>This user manual provides comprehensive instructions for setting up and using the Meross MSG100 Smart Garage Door Opener. Learn about installation, app integration with Meross, Apple HomeKit, Amazon Alexa, and Google Assistant, voice control, notifications, and troubleshooting.</p>

Töltse le a Meross MSG100 intelligens garázskapu nyitó részletes felhasználói kézikönyvét és telepítési útmutatóját. Ismerje meg a telepítést, beállítást, használatot és a gyakran ismételt kérdéseket.

Documents - Meross – MRS200

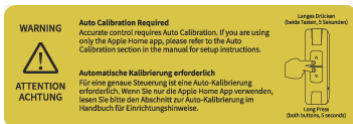


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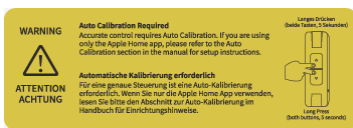


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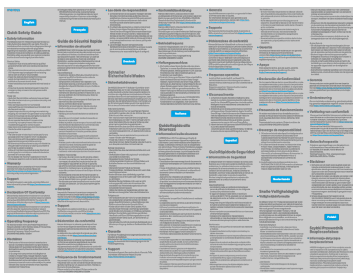


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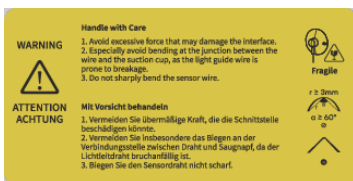


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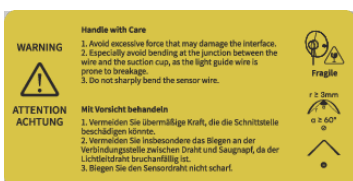


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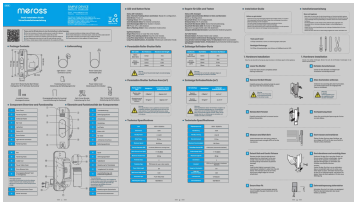


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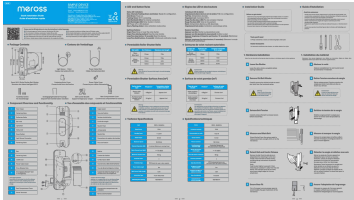


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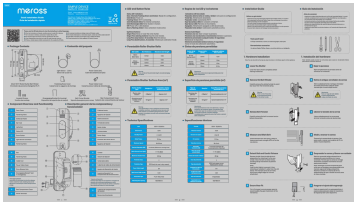


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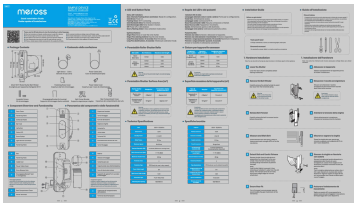


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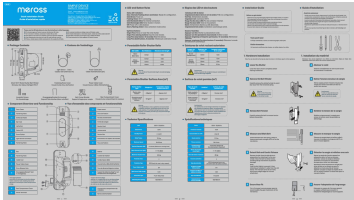


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