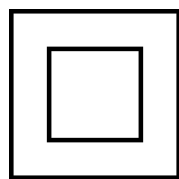




# Smart Curtain Rails

## Installation Manual



**IP20**

# **INSTALLATION MANUAL – Electrify24 Smart Gordijnrails**

## **1. Product Identification**

- Product Name: Electrify24 Smart Curtain Rails
  - Manufacturer: Electrify24
  - Manufacturer/Importer Address: P.O. Box 97, 2700AB Zoetermeer, NL
  - Serial Number/Production Date: See label on product
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## **2. Conformity & CE Marking**

This product complies with the following European directives:

- 2014/35/EU – Low Voltage Directive (LVD)
- 2014/30/EU – EMC Directive
- 2001/95/EC – General Product Safety Directive
- 2011/65/EU – RoHS Directive
- 2012/19/EU – WEEE Directive

This product bears the CE marking. The EU Declaration of Conformity is available upon request via our customer service.

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## **3. Safety Instructions**

 Please read all safety instructions carefully before use. Improper use may lead to injury or damage.

- Connect the device only to 100–230V ~ / 50/60Hz.
  - If in doubt, have the installation carried out by a qualified installer.
  - Keep the remote control and small parts out of reach of children.
  - Do not use in damp or wet environments unless explicitly stated (check IP rating).
  - Do not open or attempt to repair the device yourself – this voids the warranty and may be dangerous.
  - Do not touch the motor or power cables with wet hands.
  - Keep the curtain rail free from obstacles that could block movement.
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## 4. Operation

The system can be operated via:

- The supplied remote control
- Wall switch (if ordered separately)
- Smart home system (compatible with [Zigbee / Matter / KNX])
- Dry Contacts
- Manual operation is possible in the event of a power outage

For an overview of the control elements, see the chapter “Technical Specifications.”

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## 5. Maintenance & Cleaning

- Regularly remove dust with a dry cloth.
  - Do not use water, abrasive, or aggressive cleaning agents.
  - Disconnect the power supply before performing maintenance.
  - Annually check that the rail moves smoothly and that there is no damage to cables or the motor.
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## 6. Probleemoplossing (Troubleshooting)

| Problem                         | Possible Cause                                | Solution                                         |
|---------------------------------|-----------------------------------------------|--------------------------------------------------|
| Rail does not move              | No power / motor malfunction                  | Check power supply and circuit breaker           |
| Curtain stops halfway           | Obstruction in the rail / limit setting error | Check the rail for obstacles and reset the motor |
| Remote control does not respond | Dead batteries / receiver not paired          | Replace batteries, re-pair the remote            |
| Irregular noise during movement | Misaligned rail connectors / dirt in the rail | Clean the rail and check alignment of connectors |

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## 7. Environmental Information & Disposal



This device contains electronic components and must not be disposed of with regular household waste.

- Return the product to a certified collection point (in accordance with the WEEE Directive).
  - Remove any batteries (if applicable) and dispose of them separately.
  - Packaging is recyclable — separate paper and plastic according to local regulations.
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## 8. Technical Specifications

| Specification          | Value                                      |
|------------------------|--------------------------------------------|
| Power Supply           | AC100–240V – 50/60Hz                       |
| Power Consumption      | 45W (depending on model)                   |
| Connection Type        | Power cord with plug                       |
| Control Options        | RF / Zigbee / Matter / KNX / Dry Contacts  |
| Maximum Curtain Weight | 50 kg                                      |
| IP Protection Rating   | IP20 (not suitable for humid environments) |
| Operating Temperature  | -5°C to 80°C                               |
| Minimum Width          | 0.9 m                                      |
| Maximum Width          | 12 m                                       |
| Radio Frequency        | 2.4GHz / 433MHz                            |
| Operating Noise Level  | ≤32 dB                                     |

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## 9. Warranty

- We offer a 2-year warranty against manufacturing defects.
- The warranty does not apply in the following cases:
- Incorrect installation or improper use
- Modifications made by the user
- Water damage or other external factors
- For warranty claims, please retain your proof of purchase and contact our customer service via <https://Electrify24.store/contact>

## 10. Contact Information

Electrify24  
P.O. Box 97  
2700AB, Zoetermeer  
The Netherlands

 Email: [info@electrify24.store](mailto:info@electrify24.store)

 Phone: +31 (0)79-3690054

 Website: <https://Electrify24.store>

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## 11. Manual Version

- Version: v1.7
  - Date: 20-11-2025
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# Parts List:

## Rails:

(A) 1× 1m rail (plus 1 per additional meter)

(B) 1x 50cm rail

(C) 2x 20cm rails

(D) 1x 10cm rail



## Drive Units:

(E) 2× Drive unit with motor connection



(F) 1x Drive unit



## Other Components:

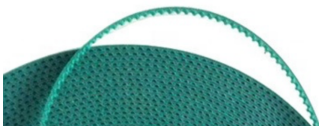
(G) 2x End stops



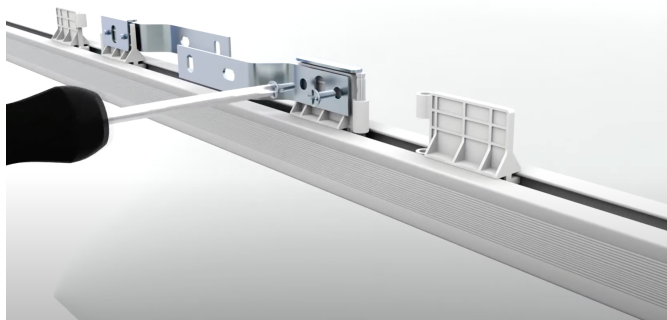
(H) 2x Runners + 10 per meter



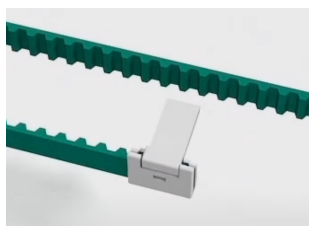
(I) Drive belt



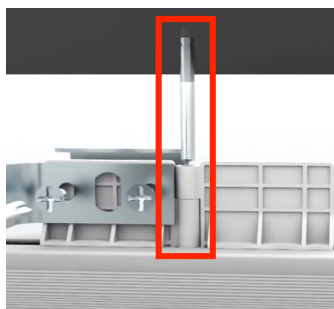
(J) 2x Carriers



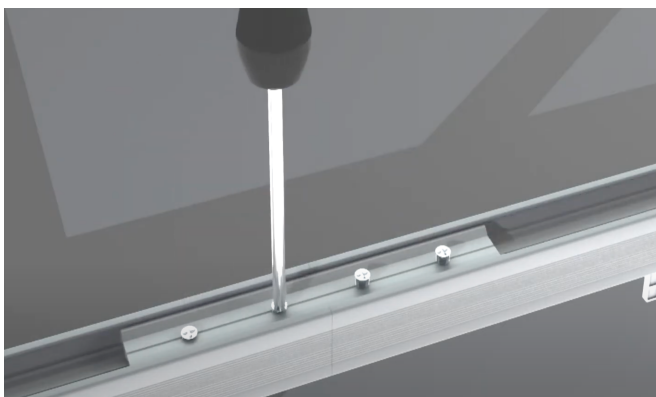
(J.1) Belt attachment clip



(J.2) Connecting screw



(K) Rail connectors

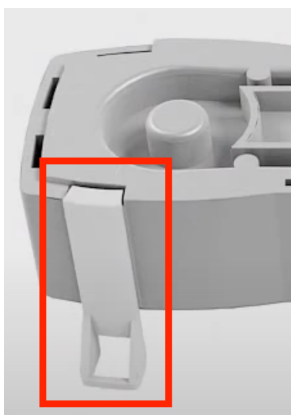


(L) Single-channel remote control

(M) 1-meter power cord

(N) Selected drive motor

(O) Drive unit hooks **(Optional)**



(P) Ceiling mounting brackets



## Length Calculation Example:

**Example: Required length = 316 cm**

We assemble it as follows:

**Drive unit (7.5 cm) → 1 m → 1 m → 50 cm (20 + 20 + 10) → Drive unit (7.5 cm)**

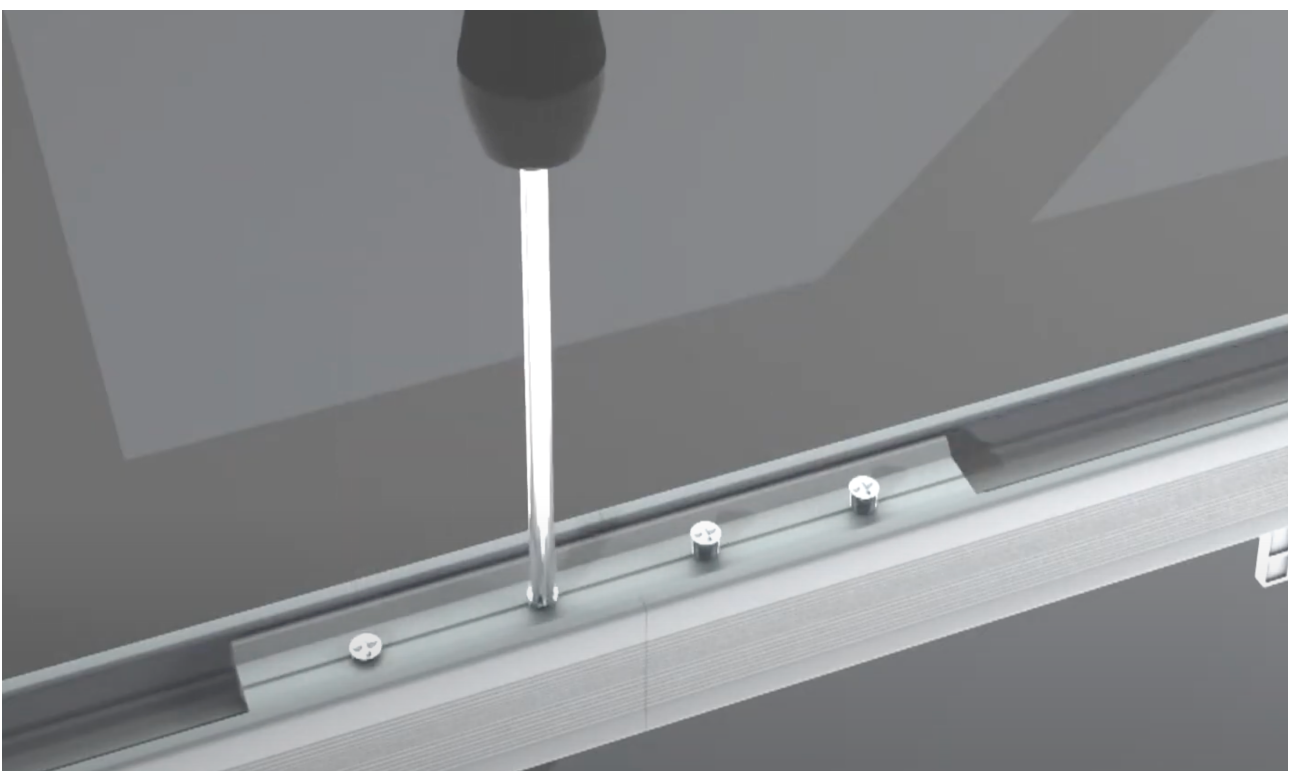
Total length: **315 cm**

Since the rails can be placed 1 cm away from the wall on each side, this fits perfectly.

### Step 1:

🔧 Connect the rail parts (A), (B), (C), and/or (D) using the rail connectors (K) until you reach the desired length .

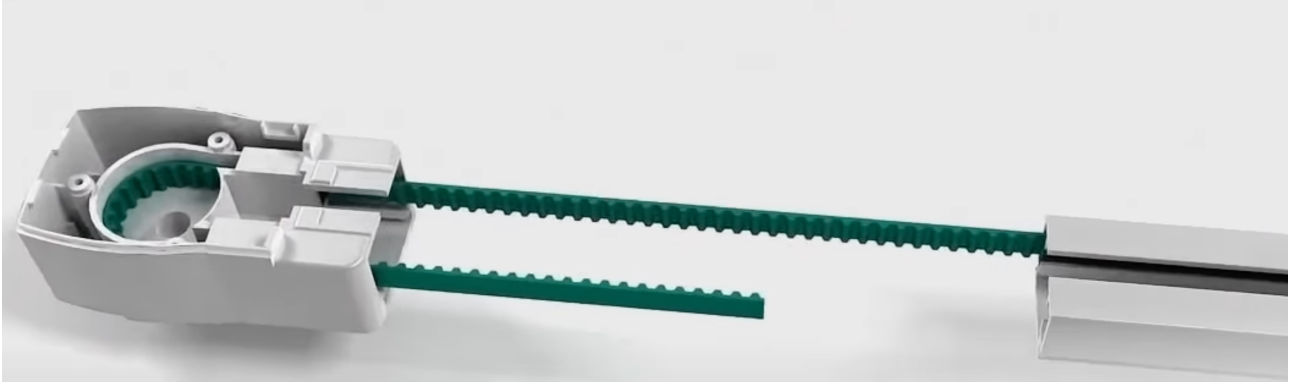
💡 *Also install any bends if applicable.*



## Step 2:

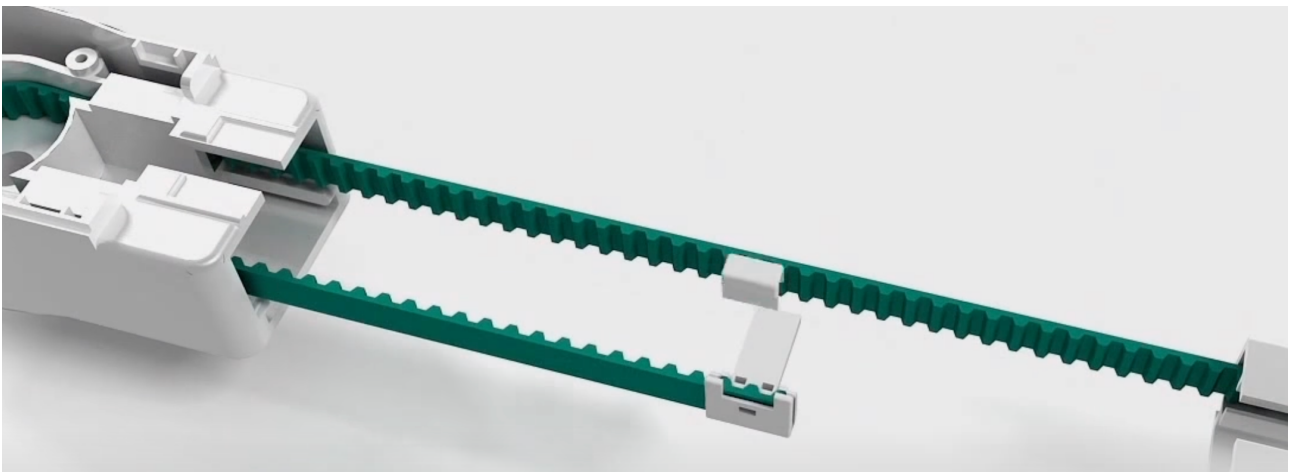
Feed the drive belt (I) through the back of the rails and then through the drive unit with motor connection (E) or the drive unit (F).

**!** Use the drive unit (F) only if you want to place another rail at this end or if you have a single curtain and this is the side where the curtain closes.



## Step 3:

Now, snap the belt attachment clip (J.1) onto the drive belt (I).

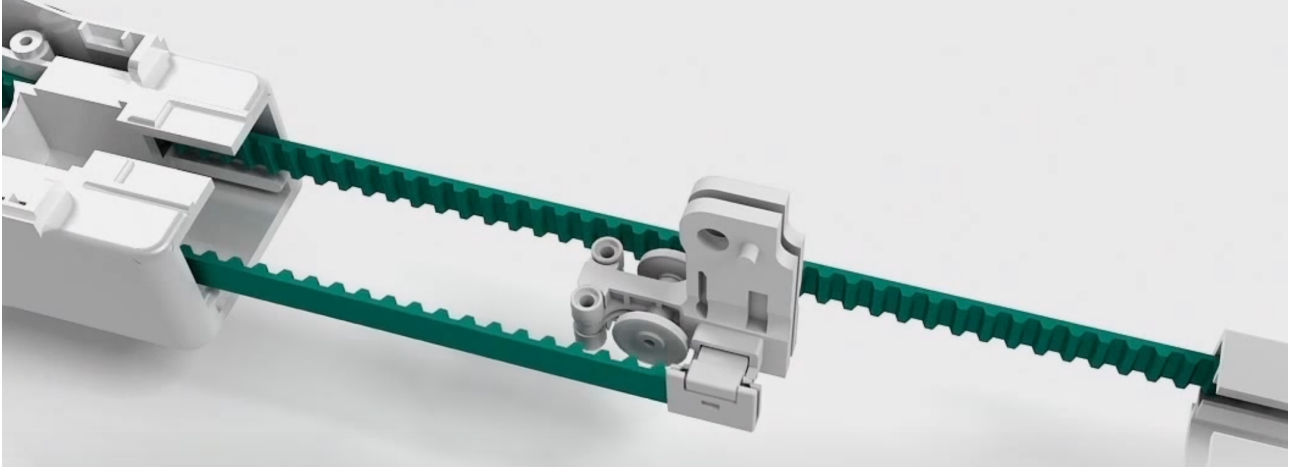


#### Step 4:

🔧 Now place one half of the carrier (J) onto the tab of the belt attachment clip (J.1) on the belt.

➡ Then pull it back to the other side of the rail.

🔧 At the same time, make sure the rail fits properly into the connection of the drive unit.



### Step 5:

 Pull the drive belt (I) tight and hold the end of the carrier (J) at the end of the rail.

 Then cut the belt to a length of **11.5 cm**. (Always cut between two ridges; do not cut shorter than 11.5 cm. If necessary, cut one tooth further.)

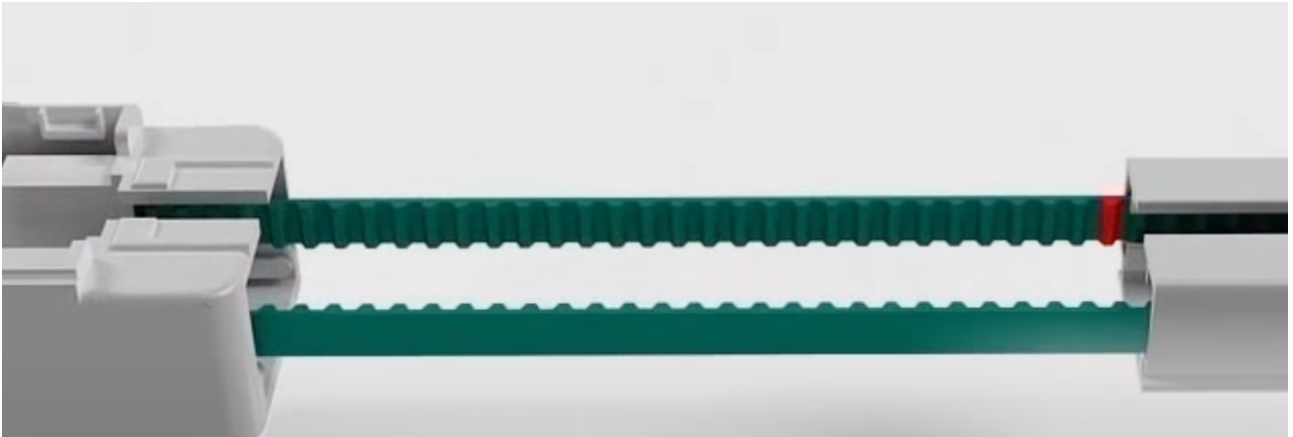


**Step 6 (This step only applies to curtains that close from both sides toward the middle. Not applicable for single curtains.) :**

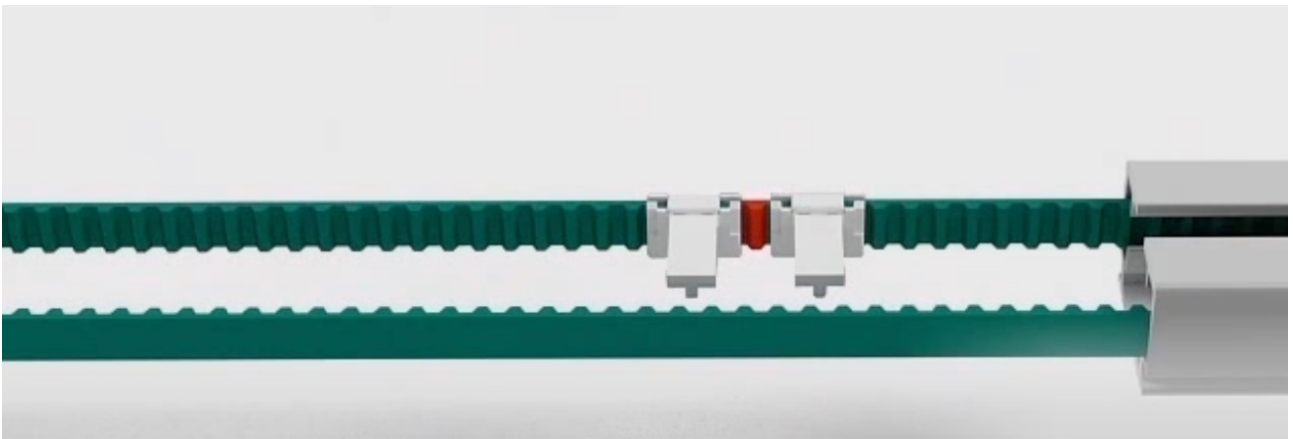
👉 Hold the **11.5 cm** piece of drive belt firmly in place, then release the carrier (J).

🔄 Carefully pull off the drive unit on the other side of the rail, making sure the drive belt (I) on the just-cut end **does not shift**.

✏️ Mark or remember the tooth indicated below in red:

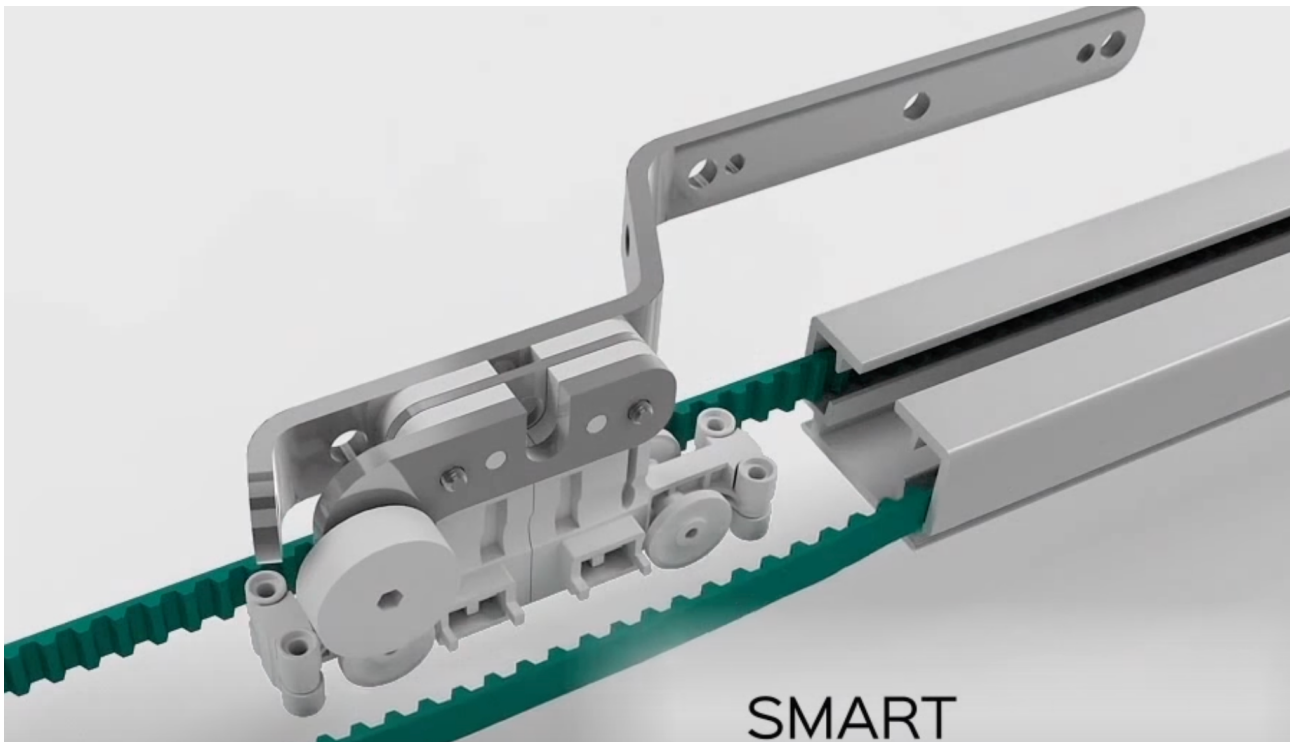


🔧 Now place a belt attachment clip (J.1) on both sides of the marked tooth.



**Step 7 (This step only applies to curtains that close from both sides toward the middle. Not applicable for single curtains.):**

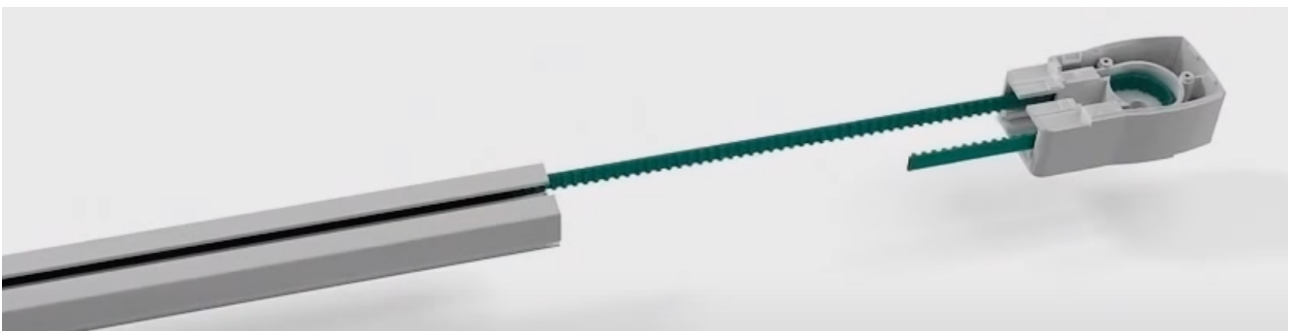
 Now place a complete carrier (J) over the two belt attachment clips (J.1).



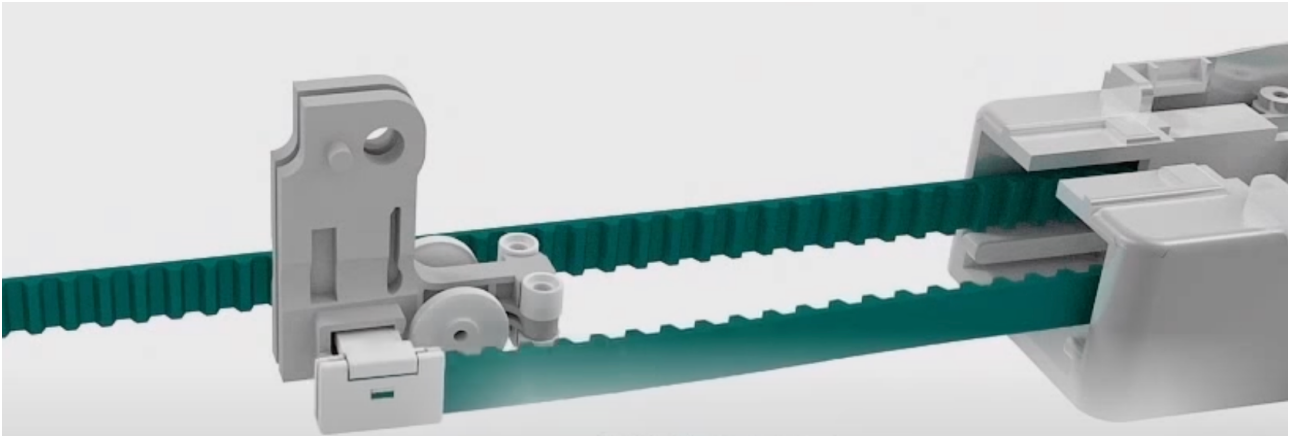
### **Step 8:**

 Pull the 11.5 cm piece of drive belt (I) through the drive unit with motor connection (E) or the drive unit (F).

 *Use the drive unit (F) only if you want to place another rail at this end or if you have a single curtain and this is the side where the curtain closes.*



### Step 9:

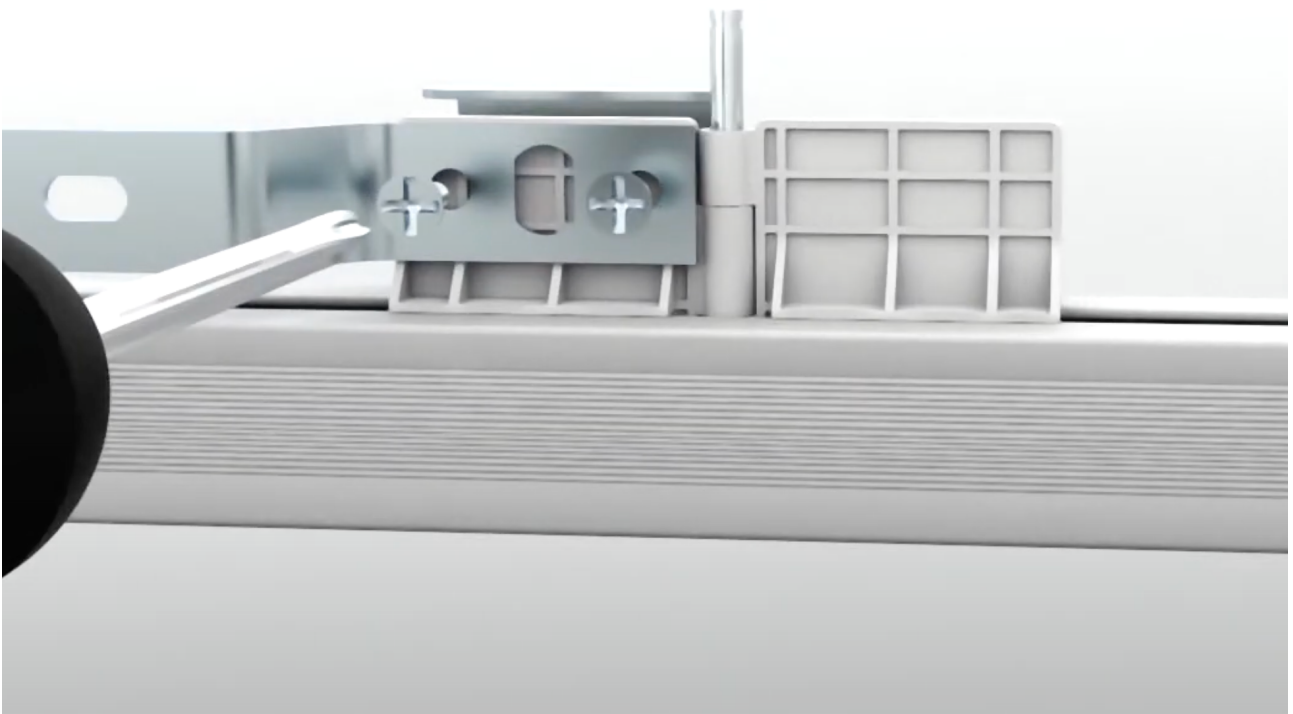


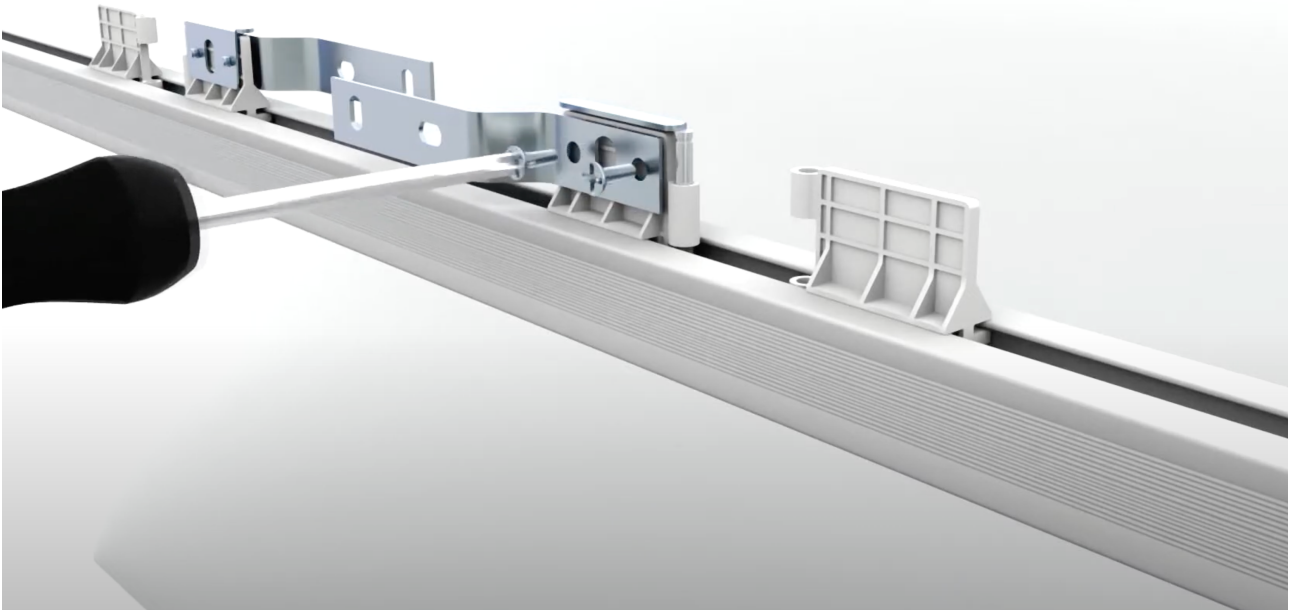
 Now place a belt attachment clip (J.1) at the end again, followed by the other half of the carrier (J).

### Step 10:

 Now pull both halves of the carrier (J) together, ensuring the rail fits properly into the drive units.

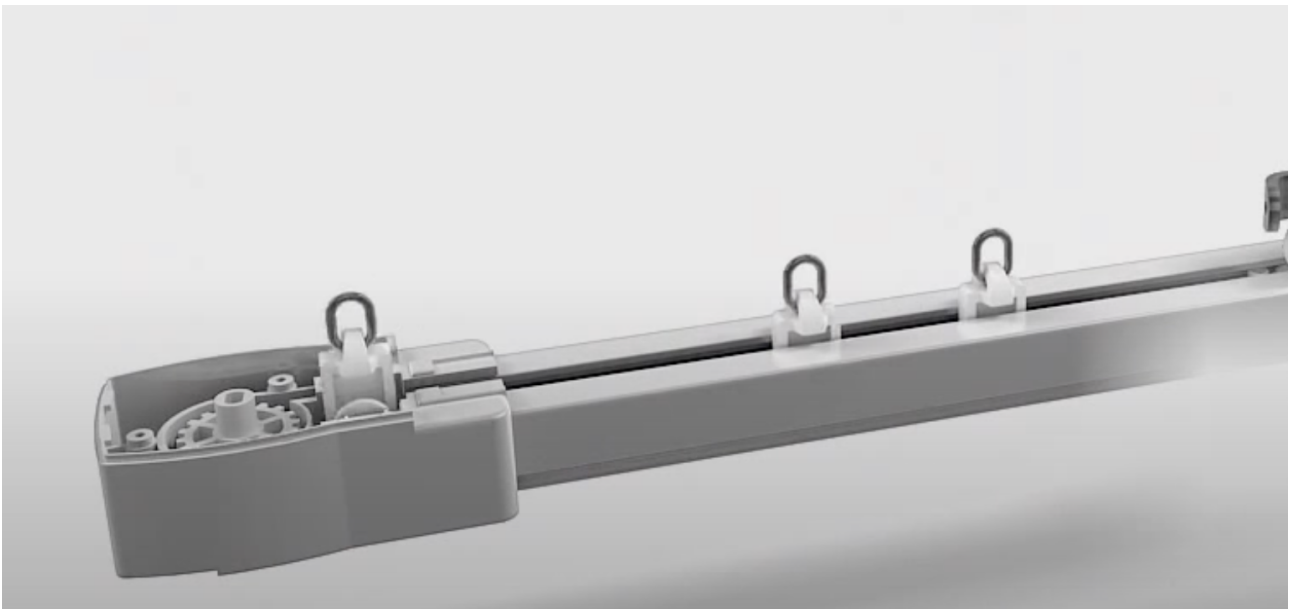
 Then securely fasten both halves together using the connecting screw (J.2). Finally, assemble the rest of the carrier (J).





### Step 11:

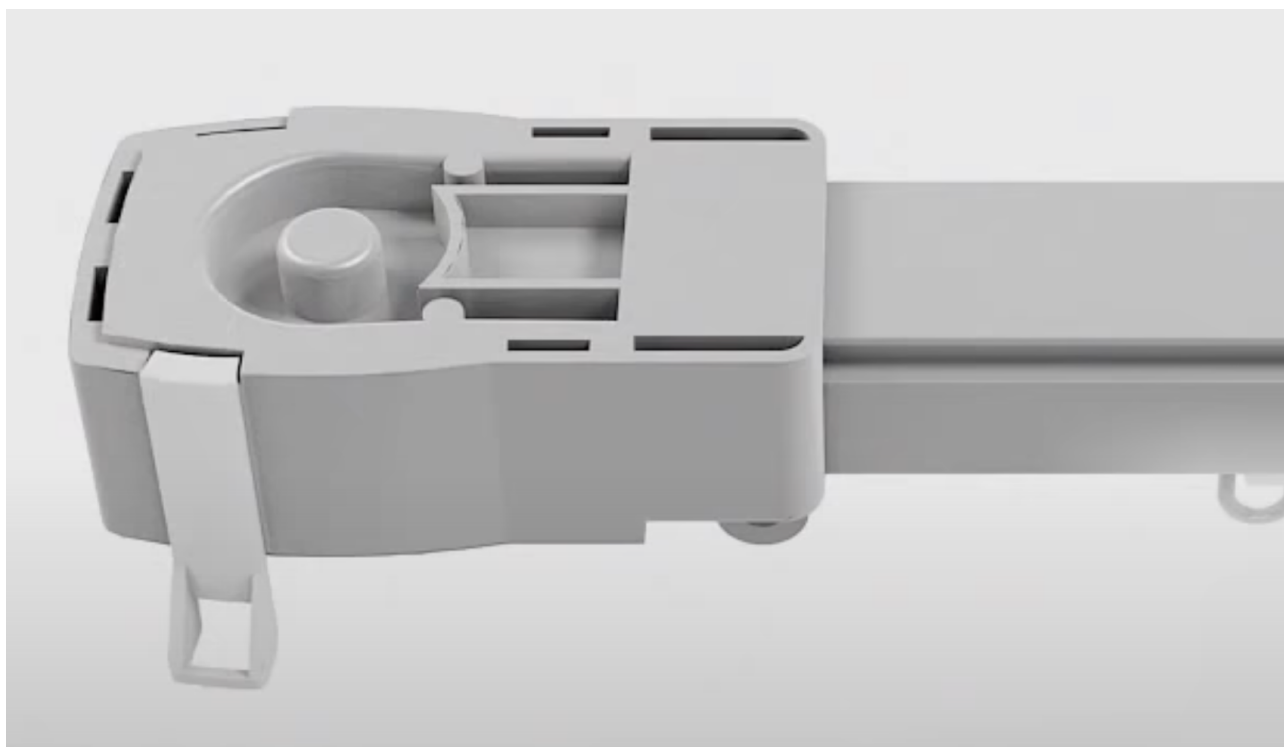
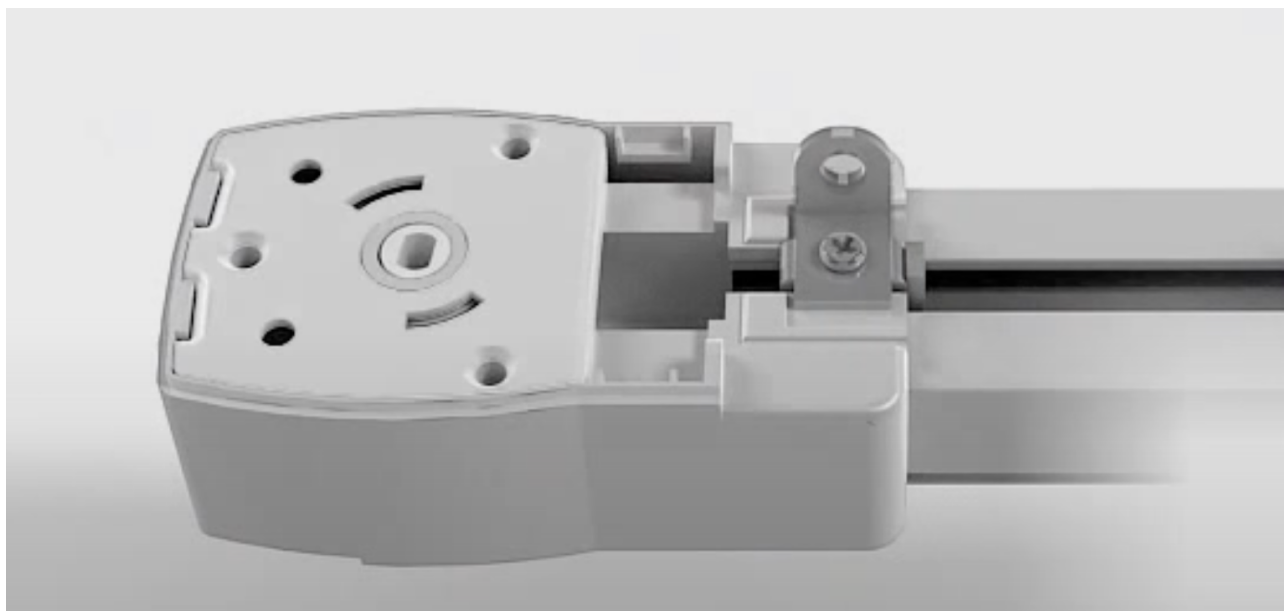
- ✓ Test that the rail moves smoothly by sliding the carriers (J) back and forth.
- ✚ Now add the desired number of runners (H) (on both sides).



## Step 12:

 Now screw in the end stops (G).

*Turn the rail over and attach the drive unit hooks (O). (Optional)*



### Step 13:

Attach the ceiling brackets (P) to the ceiling.

⚠ Note: Do not place brackets above the rail connectors or above the drive unit.

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#### ✓ Installation Tips:

- Place a ceiling bracket (P) immediately after each drive unit
- Keep a maximum distance of 50 cm between the first and second bracket (applies to both sides)
- Afterwards, maintain a maximum distance of 1 meter between the remaining brackets

### Step 14:

Snap the rails into the ceiling brackets (P). Then slide the motor into the drive unit and push the clip backward to secure it.



## Pairing the Remote Control with the Motor:

1. Slide down the back cover of the remote control.
2. **Insert** the batteries.
3. Press and hold the “**Set**” button for **3 seconds** until the light stays on.

*For the **Matter** motor Delivered before November 2025: **Press** the “**Set**” button on the motor once.*

4. **Immediately press** the “**P2**” button on the back of the remote control.

The remote control is now successfully paired with the motor.

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## Putting the Motor into Pairing Mode:

Press the “**Set**” button four times. On the fourth press, hold the button until the light starts blinking. The motor is now in **pairing mode** and ready to connect to a hub or controller.

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## Changing the Motor's Rotation Direction (Reversing Open/Close):

Press the “**Set**” button twice. On the second press, hold the button until the motor responds with a short movement. The motor's rotation direction is now reversed.

*For the Matter motor **Delivered before November 2025**:*

Press the “**Set**” button five times in a row.

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## Resetting the Motor:

Hold the “**Set**” button until the light turns on. Release the “**Set**” button, then press it again until the light blinks and turns off.

*To also reset the Zigbee/Matter connection, perform the following:*

Press the “**Set**” button four times. On the fourth press, hold the button until the light starts blinking.

*For the Matter motor **Delivered before November 2025**:*

Hold the “**Set**” button until the light blinks 5 times.

## Resetting Curtain Position:

Hold the “**Set**” button until the light turns on.

Release the “**Set**” button, then press it again until the light blinks and turns off.

Now open and close your curtain; the new position will be saved automatically.

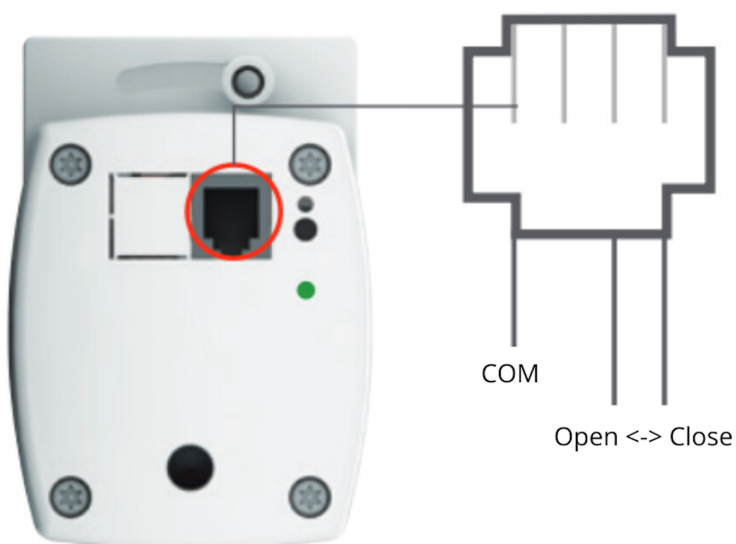
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## RJ9 Port (4P4C) – External Control via Switch or Relay

This curtain motor is equipped with an **RJ9 port (4P4C)**, allowing you to optionally connect a **wall switch, button, or relay** for wired control, in addition to wireless operation.

The port supports **volt-free switching (dry contact)** — meaning only a switch contact is connected, without applying any voltage.

Use an **RJ9 plug (4P4C)** to wire the following functions:



### ⚠ Important:

- Only use volt-free (non-powered) switches or relays
- Do not apply any voltage to this port