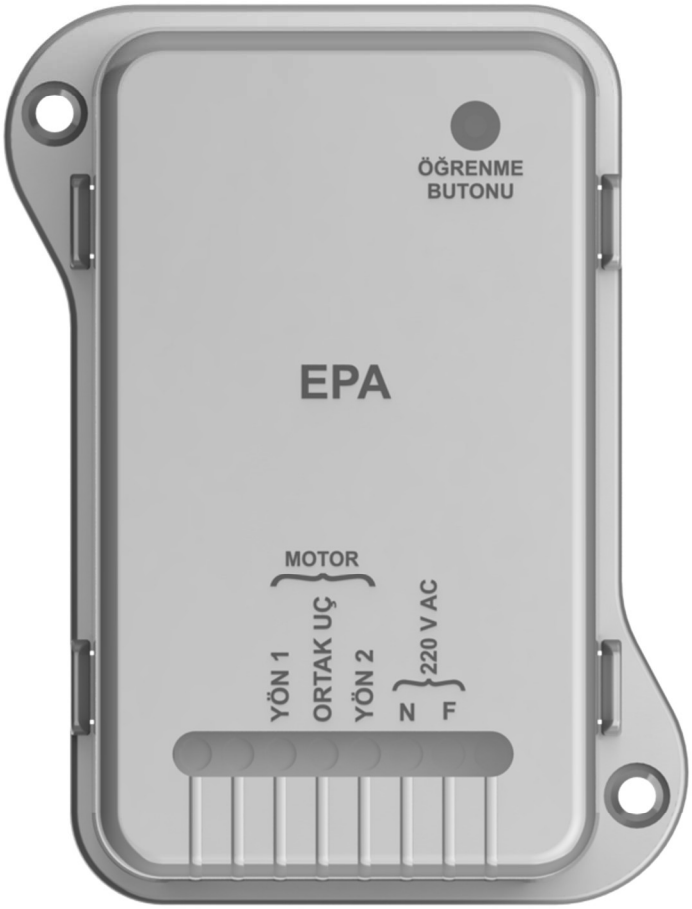
EPA

Roller Shutter Motor Control Card



KONTAL

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Before using your device, be sure to read the user manual. Pay close attention to the installation, electrical connection, and initial start-up sections, and carry out the specified steps in order. After this stage, the product owner/user must keep this user manual in a known and accessible place for the entire service life of the product.

- Store the product in a dry environment. Otherwise, the product may malfunction.
- For products that operate with batteries or rechargeable batteries, the battery is not covered by the warranty. Likewise, faults caused by battery discharge or leakage in products that have reached the end of their shelf life are not covered by the warranty.
- All service and repair operations may only be performed by Kontal Elektronik's technical service. The product must not be tampered with by any other person.
- The operating voltage of each product is indicated on its label. Do not supply the product with a source outside this voltage value.

✓ Using the product in violation of the items stated above may cause fire, serious personal injury, or damage to the product or the structure it is installed in. Kontal Elektronik San. ve Tic. Ltd. Şti. accepts no responsibility for such situations caused by the user.

✓ This symbol will be used for important points in the following sections.

✓ Do not touch the product's power supply points with bare hands.

- This symbol will be used for voltage-related warnings in the following sections.

- This symbol on the label indicates that the product's supply voltage is DC.

- This symbol on the label indicates that the product has reinforced insulation.

- This symbol on the product or its packaging indicates that this product may not be treated as normal household waste. Instead, the product must be handed over to the designated collection points for the recycling of electronic equipment. Improper disposal of the product may lead to negative consequences for the environment and human health.

- The responsibility for and legal ownership of this document and its relevant revision belongs to KONTAL ELEKTRONİK SAN. VE TİC. LTD. ŞTİ. Unauthorized modification or alteration of it is prohibited.

- For the product to operate properly, make sure that the system is grounded.

1. DESCRIPTION

EPA, is a control unit designed to safely and conveniently control 220V AC tubular and roller shutter motor systems. **EVS series remote controls** provide wireless control capability.

1.1 Box Contents

1x EPA Roller Shutter Motor Control Card	**1x** 17cm Internal Wire Antenna

**For custom orders, the box contents may vary depending on the project or customer request.*

2. TECHNICAL SPECIFICATIONS

Model	EPA
Product Code	K175-01
Operating Voltage	220V AC
Operating Current	10mA @ 220V AC
Operating Frequency	433.92MHz
Operating Temperature	-20 ^{O}C +55 ^{O}C
Contact Type	220V AC
Contact Capacity	250V AC 10A
Contact Pull-in Time	120s
Remote Control Capacity	50
Weight	105gr
Dimensions (Width X Length X Width)	82.5 x 108.5 x 35mm

3. EPA – USER SETTING COMPONENTS

BUTTON: With this component, you can perform remote control pairing/deletion operations on the product.

4. EPA – REMOTE CONTROL PAIRING / DELETION

4.1 Remote Control Pairing

- **Step 1 :** Make the product's power connection and power on the product.
- **Step 2 :** When the product is first powered on, the LED on the product will flash a certain number of times to give feedback about the product's remote control memory; these signals are shown in the table.

Flashes ON/OFF 1 Time	Flashes ON/OFF 3 Times
A remote control has previously been paired with the product. There is at least 1 registered remote control in the product's memory.	The product's memory is empty, meaning no remote control has been paired.

- **Step 3 :** Press and hold the button on the product until the LED on the product turns steady on.
- **Step 4 :** After the LED on the product turns steady on, release the button and press/release the relevant channel(s) of the remote control(s) you want to pair. On every successful remote control pairing, the LED on the product will flash quickly 2/3 times to indicate this. The product remains in learning mode for 10 seconds; if no pairing operation is performed within 10 seconds, the product returns to normal operating mode. Up to 50 EVS series remote controls can be paired with the product.

Channel Matching Requirement

When pairing a new remote control, the same button/channel used on the old remote control must be selected.

- **Example: If you paired the old remote control using button 1, you must also pair the new remote control by pressing and releasing button 1. If a different button is used, the system will not save the new remote control.**

4.2 Pairing a Remote Control via Remote Learning Mode

Allows you to add a new remote control to the system via an existing remote control, without opening the card cover.

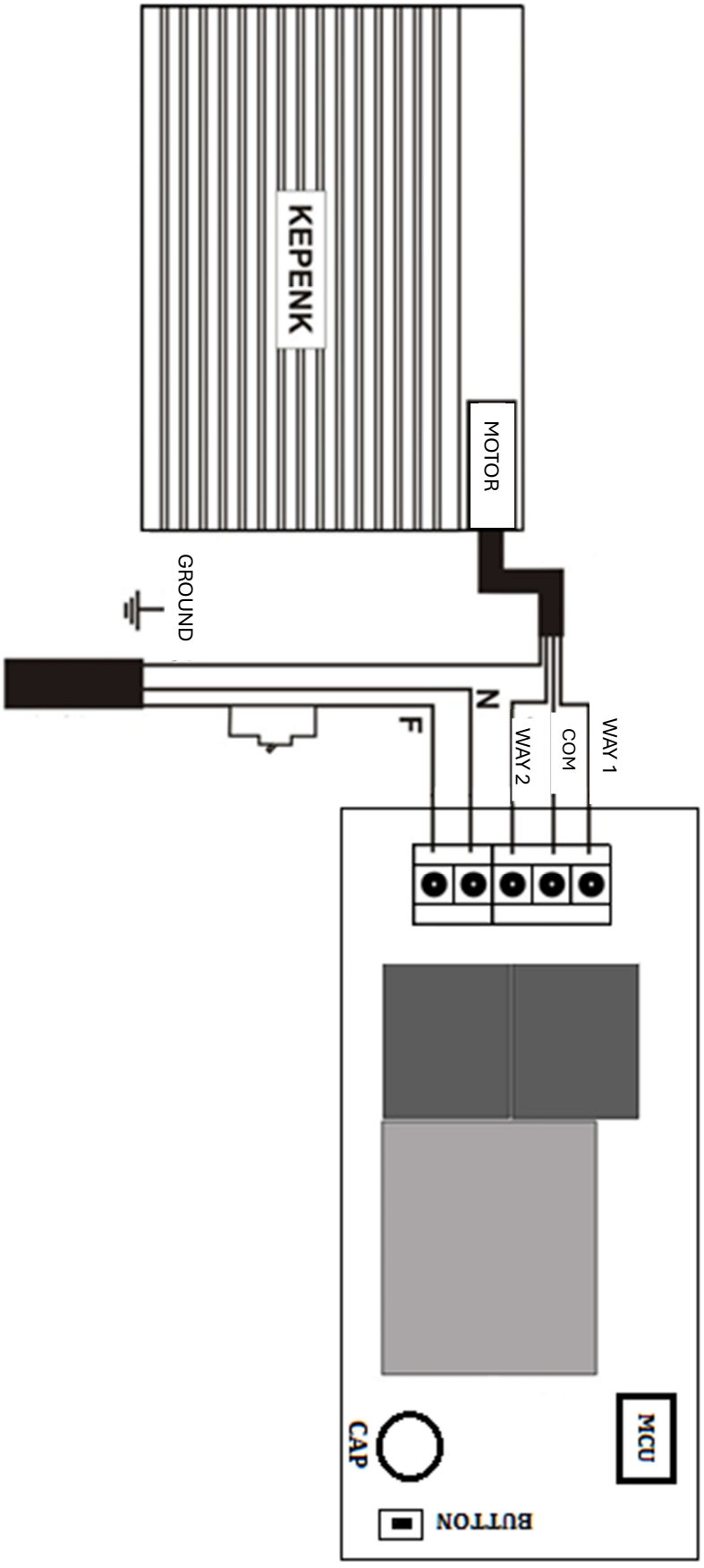
To perform this operation, at least 1 EVS series remote control must have been previously paired with the product.

- **Step 1 :** Press and hold buttons 1 and 2 of the EVS series remote control you previously paired with the product simultaneously for 3 seconds. Release them after 3 seconds, when the LED on the product turns steady on.
- **Step 2 :** After 3 seconds, press/release the relevant channel(s) of the remote control(s) you want to pair. On every successful remote control pairing, the LED on the product will flash quickly 2/3 times to indicate this. The product remains in learning mode for 10 seconds; if no pairing operation is performed within 10 seconds, the product returns to normal operating mode. Up to 250 EVS series remote controls can be paired with the product.

4.3 Deleting a Remote Control

- **Step 1 :** Cut off the power to the product.
- **Step 2 :** Press and hold the button on the product and simultaneously power on the product.
- **Step 3 :** Release the button when the LED on the product flashes ON/OFF 3 times. All remote controls in the product's memory have been deleted.

5. EPA – WIRING DIAGRAM

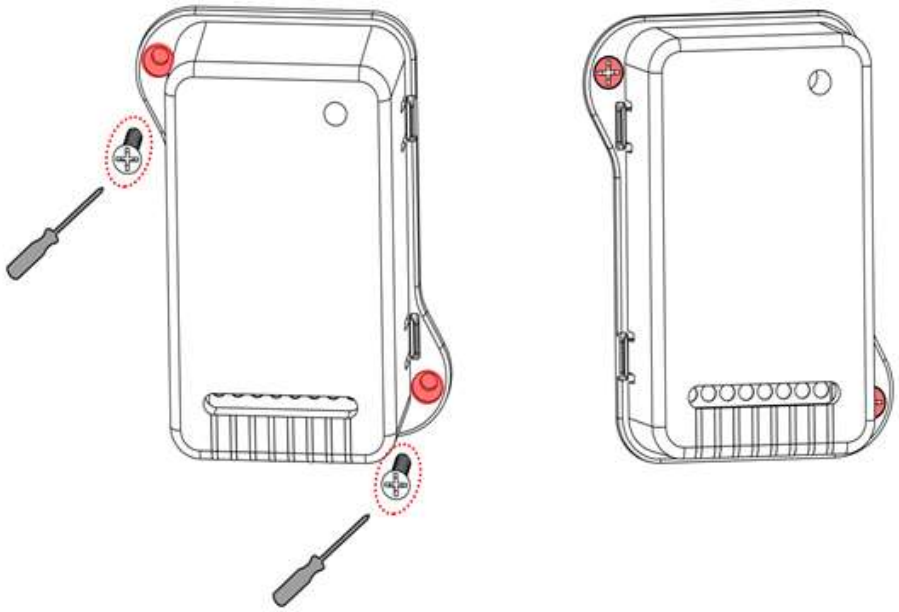


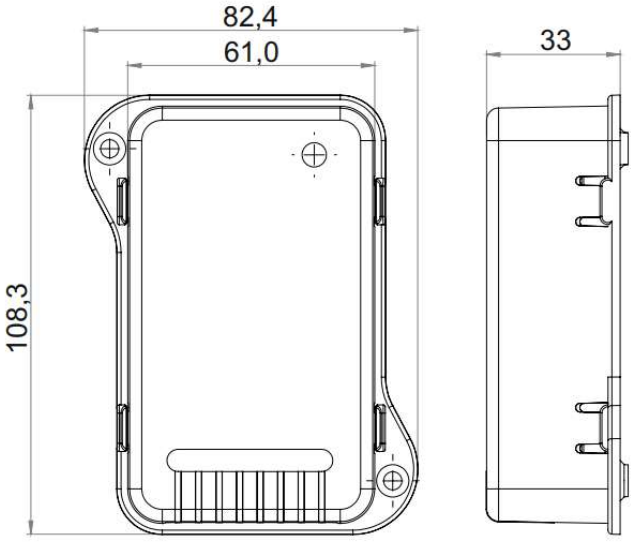
Be sure to cut off the power to the device before making electrical connections. Otherwise, electric shock or device malfunction may occur.

After the product's power connections have been made, never touch the connection points!

Before supplying power to the N (neutral) and F (phase) terminals shown in the wiring diagram, install a 5A fuse on the phase line.

6. EPA – INSTALLATION





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