

WPA

Wi-Fi & Remote Receiver



KONTAL

CE

Before operating the device, be sure to read this user manual carefully. Follow the steps described in the installation, electrical connection, and initial startup sections with attention. After completing these steps, the product owner/user must keep this manual in a known and easily accessible location for the entire service life of the product.



- Store the product in a dry environment. Otherwise, malfunctions may occur.
- In battery- or accumulator-powered products, batteries and accumulators are not covered under warranty. Similarly, failures caused by battery discharge or leakage in products that have exceeded their shelf life are not covered under warranty.
- All service and repair operations must be carried out exclusively by Kontal Elektronik technical service. The product must not be tampered with by unauthorized personnel.
- The operating voltage of each product is indicated on the label. Do not supply the device with a voltage different from the specified value.



- ✓ Failure to comply with the above-mentioned conditions may result in fire, serious personal injury, or damage to the product or the structure in which it is installed. In such cases caused by user negligence or misuse, **Kontal Elektronik San. ve Tic. Ltd. Şti.** assumes no responsibility.
- ✓ This symbol will be used to highlight important notes in the following sections.



- ✓ Do not touch the power supply terminals of the device with bare hands.
- This symbol will be used to indicate warnings related to voltage in the following sections.



- This symbol on the label indicates that the device operates with a DC supply voltage.



- This symbol on the label indicates that the device is equipped with reinforced insulation.



- This symbol on the product or its packaging indicates that the product must not be disposed of as household waste. Instead, it should be delivered to designated collection points for the recycling of electrical and electronic equipment. Improper disposal or destruction of the product may have adverse effects on the environment and human health.



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- Ensure that the system is properly grounded for the device to operate reliably.

1. DEFINITION

WPA is a multifunctional receiver module designed for the control of **220V AC motors**. It is capable of directly driving 220V motors in systems such as garage doors, barriers, shutters, and similar automation applications.

The WPA module can be controlled via both **EVS series remote controls** and the **Tuya Smart mobile application**. In addition, it is **fully compatible with the MEF series photocell** produced by the company. This allows obstacle detection and safety functions to be seamlessly integrated during motor operation. With support for both **remote access** and **local control**, WPA offers a **user-friendly, safe, and flexible** motor control solution.

1.1 BOX CONTENT

1x WPA – Wi-Fi & Remote Receiver	1x WPA User Manual 1x 17cm Internal Wire Antenna
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**For special orders, the box contents may vary depending on the project or customer requirements.*

2. TECHNICAL SPECIFICATION

Model	WPA
Product Code	K184-01
Operating Voltage	220V AC
Operating Current	3,5mA @ 220V AC
Operating Frequency	433,92MHz & 2,4GHz
Operating Temperature	-20 °C +55 °C
External Photocell Input	MEF – Mini Safety Beam Sensor
Contact Type	220V AC
Contact Capacity	250V AC 10A(max.)
Remote Capacity	20
Number Of Users	20(max.)*
Weight	151gr
Dimensions	71,42 x 131,94 x 35 mm

**The number of users is determined based on the latest update of the Tuya Smart application. This number may vary with future updates of the application.*

3. ADJUSTMENT COMPONENT

JMP1 / JMP2: These components allow you to configure the operating modes of your device. (See also Section 8)

Wi-Fi BTN: This component is used to put the device into Wi-Fi pairing mode. (See also Sections 5 & 5.1)

RF BTN: This component is used to pair or delete remote controls with your device. (See also Sections 6 & 7)

4. WPA CONTROL BOARD

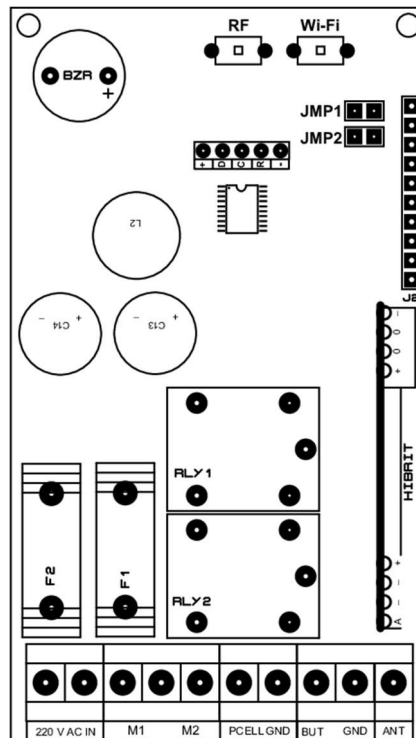


Figure 4.1 – WPA Control Board

5. WPA Wi-Fi MODE

5.1 WPA – Wi-Fi PAIRING MODE

- 1- Download the Tuya Smart application from the app store on your smartphone or tablet. Once installed, grant all required permissions.
- 2- Connect your mobile device to a Wi-Fi network (modem) with internet access.
- 3- Open the Tuya Smart app and **sign in** or **register** to create a new account.
- 4- On the main screen, tap the menu icon in the top-left corner. Go to the “Home Management” section, tap “Create Home”, and define a new home. Then return to the main screen and select the home you created.
- 5- Power on the device according to its rated operating voltage.
- 6- On the main screen, tap the “+” (**Add Device**) icon in the top-right corner to access the **Add Device** screen.
- 7- Press and hold the **Wi-Fi button** on the device until the LED starts blinking slowly (approximately 6–7 seconds).
- 8- Once the LED begins to blink slowly, you may release the Wi-Fi button.
- 9- The Tuya Smart app will automatically start searching for the device.
- 10- When the device is found, it will appear on the screen. Tap the device to begin the pairing process.
- 11- On the next screen, enter the **Wi-Fi password** for the network your device is connected to and complete the setup. Once pairing is successful, the app will redirect you to the **control panel** of the device.

5.2 WPA – INVITING USERS FOR CONTROL

You can invite people to control the device via the Tuya Smart app by following the steps below.

(A maximum of 20 users can be assigned per home.)

1. Open the **Tuya Smart** app and go to the **PROFILE** tab.
2. From the menu, select **Home Management**.
3. Choose the home where your device is registered.
4. Navigate to the **Home Members** section and tap **Add Member**.
5. In the window that appears, send the invitation code to the user you want to invite. Using this code, the user can join your home and gain control over the device.

5.3 WPA – JOINING AN EXISTING HOME

You can join an existing home and control the device by entering the invitation code sent to you, following the steps below:

1. **Download and install the Tuya Smart app on your mobile device. Then, either register a new account or log in with your existing credentials.**
2. From the app's main screen, go to the **PROFILE** tab.
3. Navigate to the **Home Management** section from the menu.
4. Tap the **“Join Home”** button located at the bottom of the screen.
5. Enter the invitation code you received into the designated field and tap **“Join”** to confirm.
6. Once the process is complete, you will successfully join the home and gain access to control the devices.

6. WPA – REMOTE CONTROL PAIRING

When you first power on the WPA, the following initial alerts occur:

- **3 short beeps:** No remote control has been paired with the device before.
- **2 short beeps:** The device has reached the maximum number of paired remotes.
- **1 short beep:** One or more remotes are already registered in the device.

To pair EVS series remote controls with the WPA, follow these steps:

1. Power on the device.
2. Press and hold the **RF Button** on the device for approximately 1 second. When the device emits a beep sound, it has entered remote learning mode. You can release the button.
3. The device will remain in learning mode for about 10 seconds. During this time, press the necessary buttons on the remote(s) you wish to pair. The device will confirm each successful remote registration by emitting **3 short beep sounds**.

7. WPA – REMOTE CONTROL DELETION

To delete all remote controls stored in the WPA memory, please follow the steps below:

1. Disconnect the device from power.
2. Press and hold the **RF Button** on the device, then reconnect the power while still holding the button.
3. The device will emit a continuous beep sound. When the beeping stops, you may release the button.
4. Afterward, the device will emit **3 short beeps**, indicating that the remote control memory has been successfully cleared.

8. WPA – JUMPER FUNCTION

You can configure the operating modes of the WPA using **JUMPER 1/2**.

	JUMPER STATE	FUNCTIONAL FEATURES
JUMPER 1	ACTIVE	The device's automatic closing feature is active. After the door or barrier opens, the system will automatically close within 30 seconds if no further action is taken.
	PASSIVE	The automatic closing feature is disabled.

	JUMPER STATE	FUNCTIONAL FEATURES
JUMPER 2	ACTIVE	The product's photocell input is disabled. Therefore, signals from the photocell are neither detected nor processed by the system.
	PASSIVE	The product's photocell input is active. If an obstacle enters the photocell's detection area while the door or barrier is operating, the system stops the movement to ensure safety.

9. WPA – RELAY PULSE DURATION SETTING

1. While the WPA board is powered, press the RF button on the board. When you hear a beep from the buzzer, release the button.
2. Press the RF button again and hold it for 2 seconds. During this time, the buzzer will emit 2 short beep sounds.
3. After the beep signals, the system will activate the output to open the device. When the desired duration is reached, press the RF button once more to save the opening time in the system.

10. WPA – CONNECTION SCHEMA

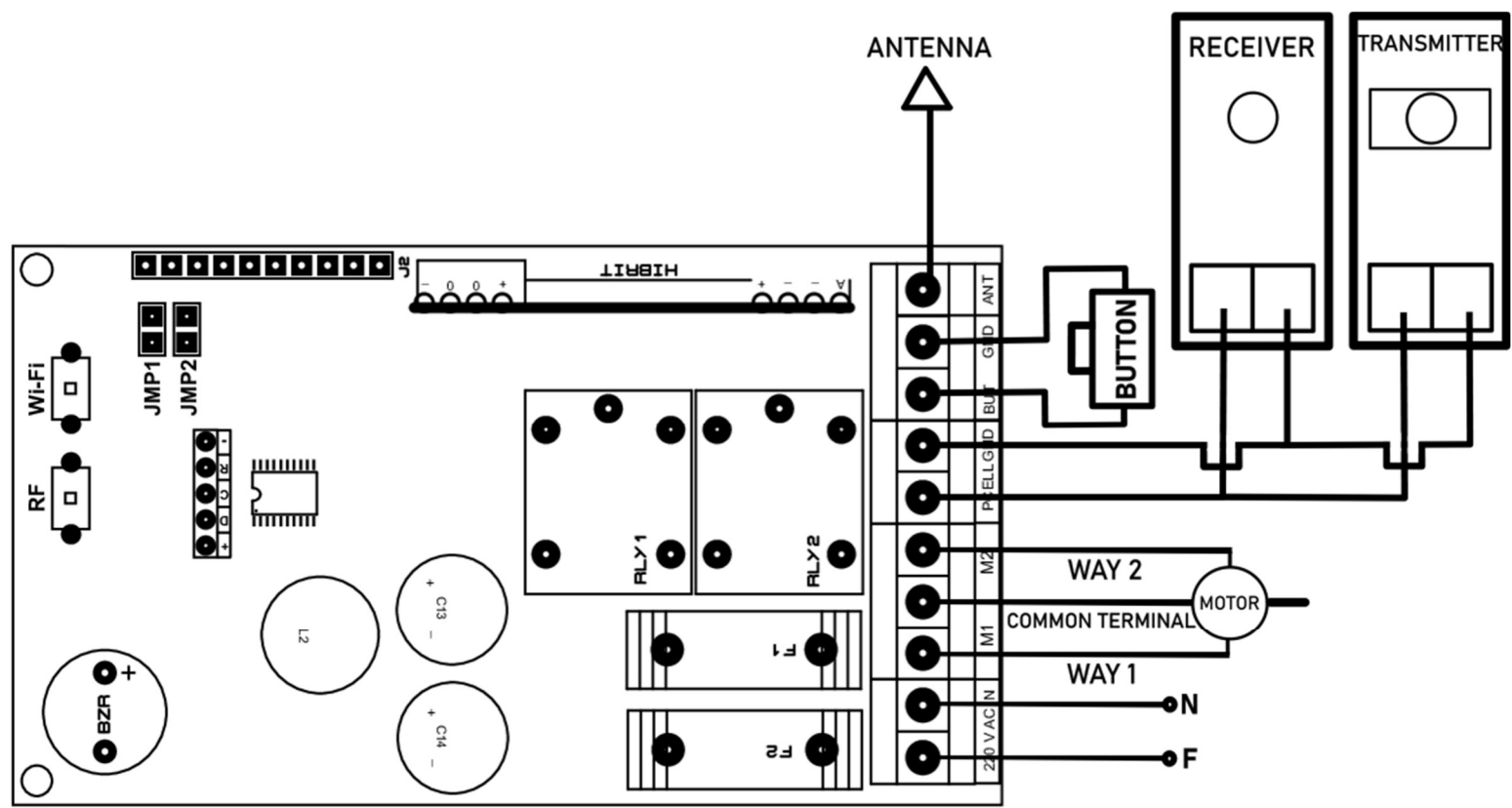


Figure 10.1 WPA – Connection Schema



Do not touch the connection terminals after the device has been powered on!

11. MOUNTING

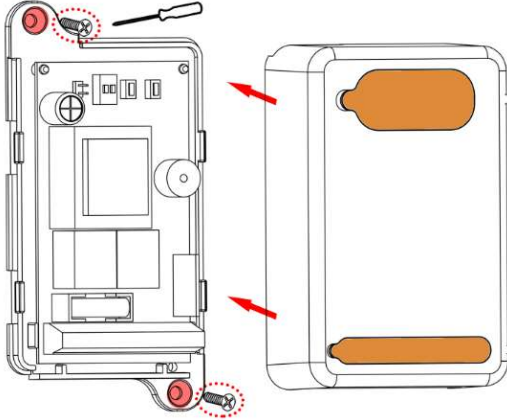


Figure 11.1 – WPA – Mounting on a Flat Surface

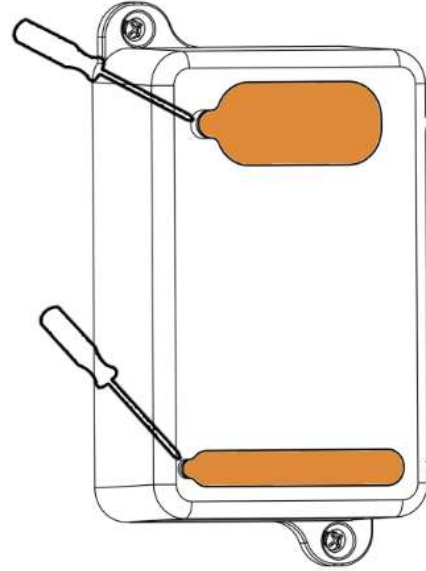


Figure 11.2 – WPA – Removal of Plastic Covers

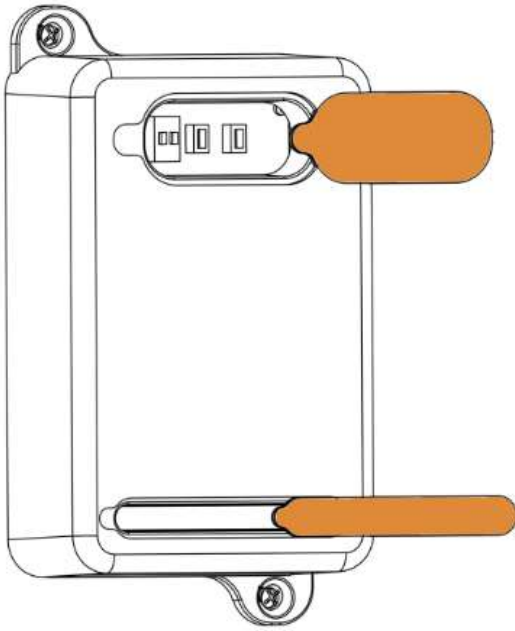


Figure 11.3 – WPA – Removal of Plastic Covers

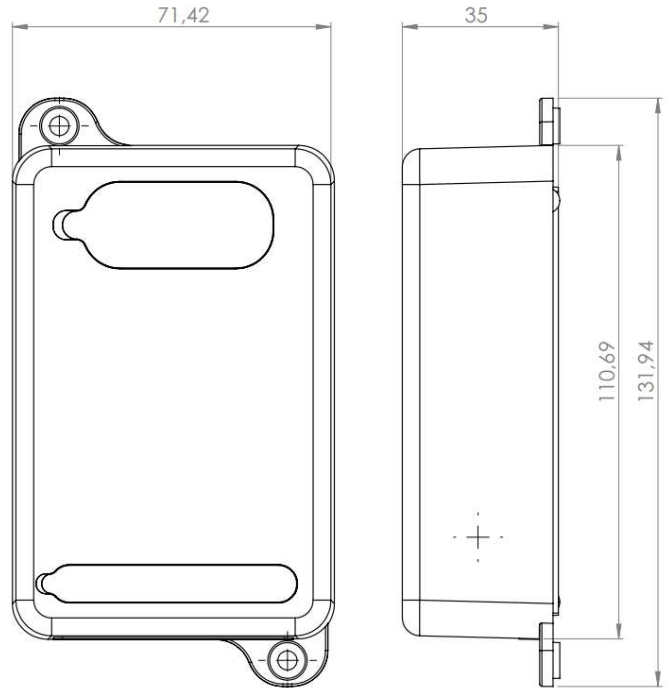


Figure 11.2 – WPA – Dimensions (Unit: mm)

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