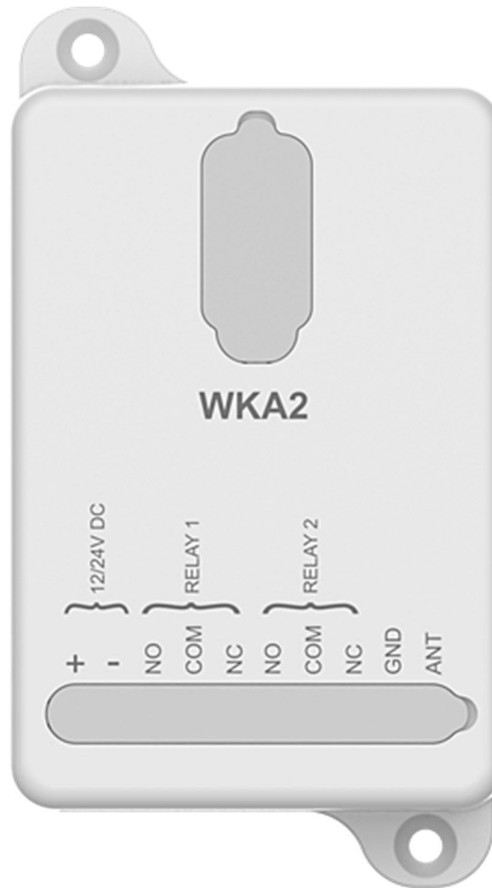


WKA2

Wi-Fi & Remote Receiver



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.



- This document and its revisions are the legal property and responsibility of **KONTAL ELEKTRONİK SAN. VE TİC. LTD. ŞTİ.** Any unauthorized modification or alteration is strictly prohibited.



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

1. DEFINITION

WKA2 is a multifunctional receiver unit equipped with both Wi-Fi connectivity and RF (remote control) support. The device can be controlled either via EVS series remote controls or through the Tuya Smart mobile app on a smartphone. This dual-control capability provides users with flexible operation both locally and remotely. WKA2 is suitable for a wide range of automation applications, such as gates, barriers, garage doors, shutters, and lighting systems.

1.1 BOX CONTENT

1x WKA2 – Wi-Fi & Remote Receiver	1x WKA2 User Manual 1x 17 cm Internal Cable Antenna
--	--

**For special orders, the box contents may vary depending on the project or customer requirements.*

2. TECHNICAL SPECIFICATION

Model	WKA2
Product Code	K183-01
Operating Voltage	12/24V DC
Operating Current	45mA @ 24V DC
Operating Frequency	433,92MHz & 2,4GHz
Operating Temperature	-20 °C +55 °C
Number Of Channel	2
Contact Type	Kuru Kontak (NO/NC)
Contact Capacity	250V AC 10A
Number Of Remote	20
Number Of Member	20(max.)*
Weight	116gr
Dimensions	66 x 116,64 x 26,65mm

**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. USER ADJUSTMENT

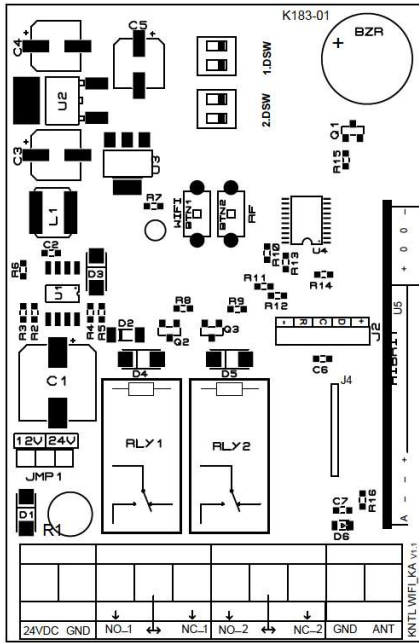
JMP1: This component allows you to set the operating voltage of your device.
(See also Section 4.1)

Wi-Fi BTN: This component allows you to put your device into Wi-Fi pairing mode. (See also Sections 5 & 5.1)

RF BTN: This component allows you to add or delete remote controls to/from your device. (See also Sections 6 & 7)

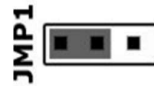
DIPSWITCH 1/2: These components allow you to configure the operating modes of your device. (See also Section 8)

4. WKA2 – CONTROL BOARD



4.1 WKA2 - Setup and Initial Startup

- Remove the top cover of your device.
- Set the operating voltage of your device using JUMP1.



12V Jumper selection



24V Jumper selection



Do not supply power to the device at a voltage other than the designated operating voltage. Otherwise, the device may be damaged!



When making the power connections of the device, pay attention to the “+” and “-” polarities!



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

5. WKA2 Wi-Fi MODE

5.1 WKA2 – 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 WKA2 – 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 WKA2 – 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.WKA2 – REMOTE CONTROL PAIRING

When you first power on the WKA2, 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.WKA2 – 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.WKA2 – DIPSWITCH FUNCTIONS

WKA2`nin çalışma modlarını DIPSWITCH 1/2 aracılığıyla ayarlayabilirsiniz,.

	DIPSWITCH NUMBER	DIPSWITCH STATE	FUNCTION FEATURES
1.DIPSWITCH	2 No Switch	ON	Relay 1 operates in pulse mode. In this mode, when a command is received from the remote control, the relay remains active (energized) for approximately 0.3 seconds, then automatically returns to the inactive state.
		OFF	Relay 1 operates in toggle mode. In this mode, when a command is received from the remote control, the relay switches to the opposite of its current state. That is, if the relay is energized (active), it switches off (inactive), and if it is inactive, it switches on (energized).
	1 No Switch	ON	If the relay operates in pulse mode, an additional 1 second is automatically added to the defined pulse duration.
		OFF	No additional time is added.

	DIPSWITCH NUMBER	DIPSWITCH STATE	FUNCTION FEATURES
2.DIPSWITCH	2 No Switch	ON	Relay 2 operates in pulse mode. In this mode, when a command is received from the remote control, the relay remains active (energized) for approximately 0.3 seconds, then automatically returns to the inactive state.
		OFF	Relay 2 operates in toggle mode. In this mode, when a command is received from the remote control, the relay switches to the opposite of its current state. That is, if the relay is energized (active), it switches off (inactive), and if it is inactive, it switches on (energized).
	1 No Switch	ON	If the relay operates in pulse mode, an additional 1 second is automatically added to the defined pulse duration.
		OFF	No additional time is added.

9.WKA2 – CONNECTION SCHEMA

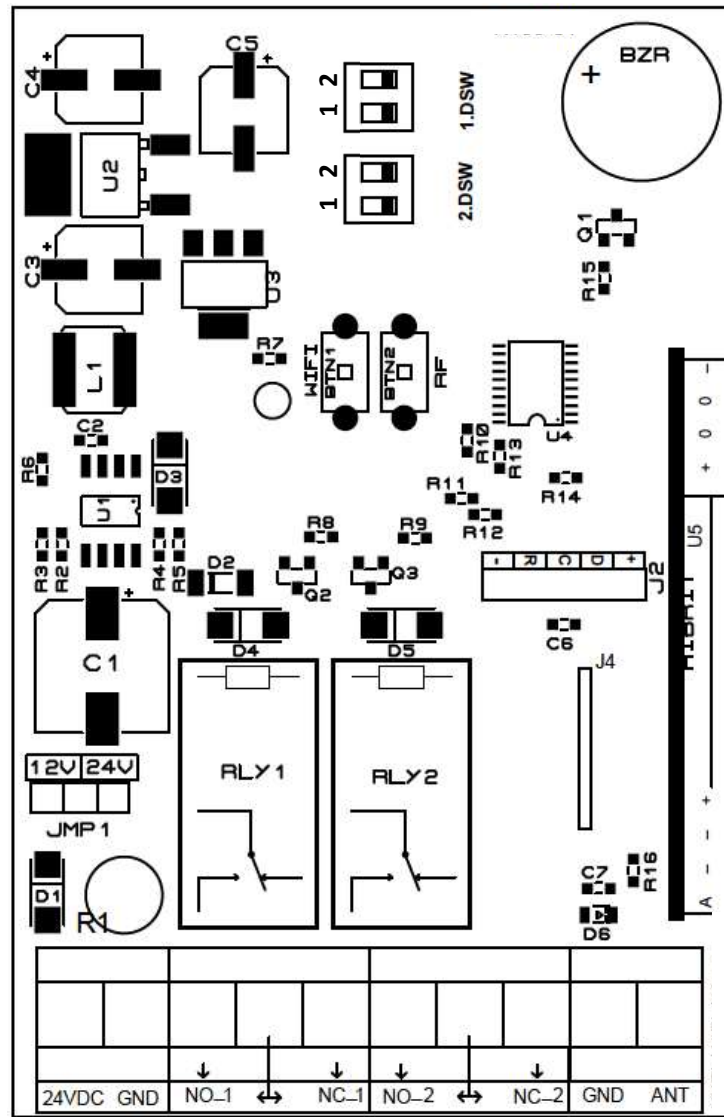


Figure 9.1 WKA2 – Connection Schema



For proper and stable operation of the device, it is recommended to use a power supply with a minimum output power of 12 W on the power line!



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

10. MOUNTING

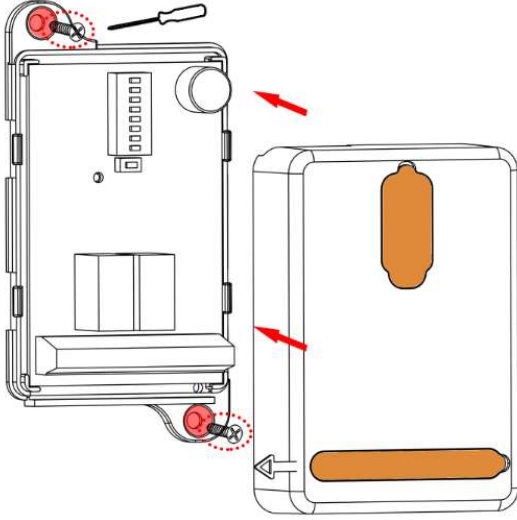


Figure 11.1 – WKA2 – Wall Mounting

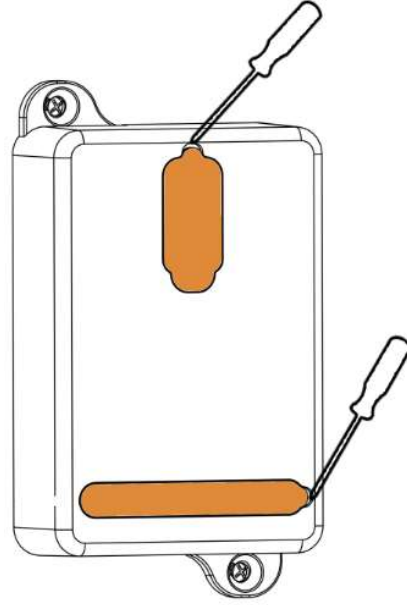


Figure 11.2 – WKA2 – Removal of Plastic Covers

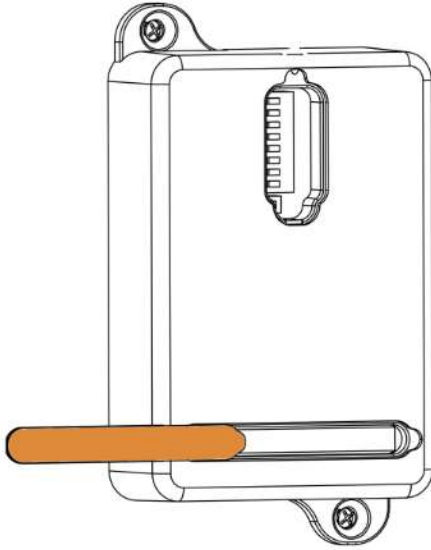


Figure 11.3 – WKA2 – Removal of Plastic Covers

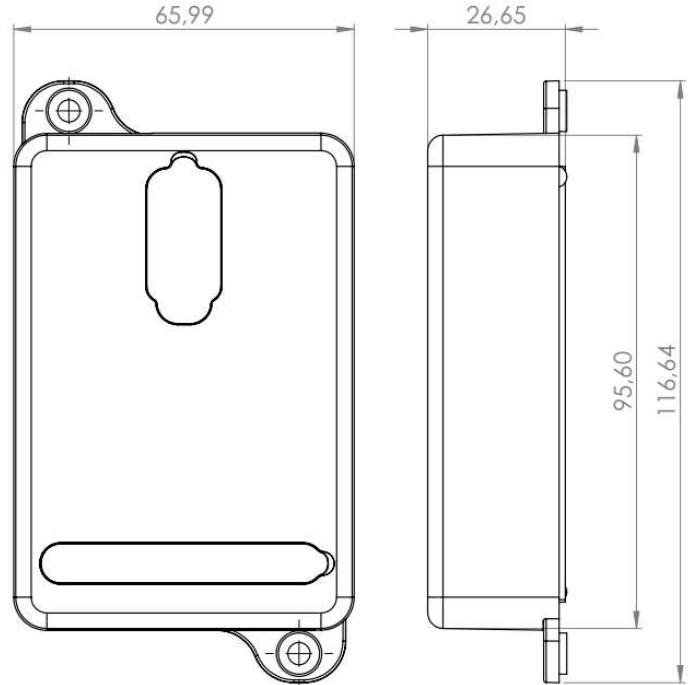


Figure 11.2 – WKA2 – Dimensions (Unit: mm)



Manufacturer / Authorized Service
Kontal Elektronik San. Ve Tic. Ltd. Şti.
Çorapçılar Sanayi Sitesi A Blok NO: 1-2 İkitelli OSB
İSTANBUL / TÜRKİYE
+90 212 485 61 11
info@kotal.com.tr
www.kotal.com