



## USER MANUAL

# KEKN100

Kinetic switches and remotes

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Manufacturer: KONSTRUCTHOR ALL S.R.L., Str. Teleorman nr. 53A, ap. 2, 400573 Cluj-Napoca, Cluj County, Romania

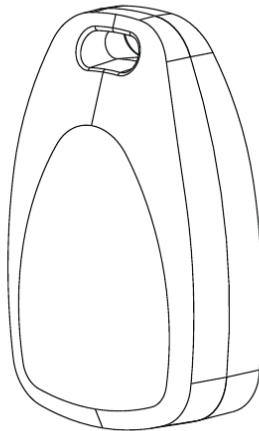
Read this manual before installation and keep it. Version v3, October 2026.

## Overview

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The KEKN100 is a portable, single-button KINETIC ENERGY remote: a wireless, battery-free transmitter. On each press, a built-in micro-generator converts the kinetic energy of the press into the energy needed to send a 433 MHz radio signal to a KINETIC ENERGY controller.

The transmitters are not connected to the mains and do not switch any load on their own. They work only after pairing with a KINETIC ENERGY controller, which is installed between the power supply and the load (luminaire, motor, etc.). If the controller is a dimmer, a long press adjusts the light intensity.



KEKN100 portable remote

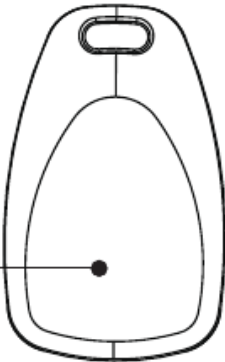
# Specifications

| Parameter             | KEKN100                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Type                  | Push button (momentary) remote                                                                  |
| Number of buttons     | 1                                                                                               |
| Power supply          | Battery-free (energy from the press)                                                            |
| Operating frequency   | 433 MHz                                                                                         |
| Operating range       | up to 80 m outdoors / 25 m indoors (laboratory values; in practice they depend on the building) |
| Operating temperature | -20 °C ... +55 °C                                                                               |
| Housing material      | Plastic                                                                                         |
| Mounting              | Portable                                                                                        |

## Using the KEKN100 remote

- Short press: switches the load controlled by the controller on or off.
- Long press: adjusts the light intensity, if the remote is paired with a dimmer controller.
- The hole at the top allows you to attach the remote to a key ring or a lanyard.

short press on/off  
long press dim



Using the KEKN100 remote

## Pairing with the KINETIC ENERGY controller

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Pair the remote with each controller you want to control. One remote can be paired with several controllers to switch several circuits at once. The exact steps and the meaning of the LED are also described in the controller manual.

### Standard pairing

The paired button toggles the controller: one press switches on, the next press switches off.

1. Press and hold the controller pairing button for approximately 3 seconds.
2. Release the button when the controller LED starts to flash.
3. Press the remote button once only. Do not press several times and do not press rapidly.
4. The controller LED turns off: pairing succeeded.
5. To pair the remote with other controllers, repeat steps 1–4.

### Deleting pairings

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Deleting is done from the controller, not from the remote.

1. Press and hold the controller pairing button for the time given in the controller manual. Caution: on Wi-Fi controllers, a 10-second press resets the Wi-Fi connection and does not delete the switches.
2. The LED flashes, then turns off. All transmitters paired with that controller (or channel) have been deleted.
3. Repeat the pairing following the steps above.

### Troubleshooting

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| Problem                                                                             | Probable cause                                                                                              | Remedy                                                                                                                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| The button only switches off or only dims down, but no longer switches on / dims up | The button was pressed several times rapidly during pairing, and the button was recorded as switch-off only | Delete the controller pairings (approx. 10 seconds on the pairing button) and repeat standard pairing, pressing the button once only. |
| The controller does not respond                                                     | The transmitter is not paired or is too far away                                                            | Repeat the pairing. Move the transmitter closer to the controller and check for thick walls or metal structures between them.         |

## Safety instructions

- The product is battery-free and is not connected to the mains.
- Mount it on clean, dry surfaces. Do not immerse it in water and do not expose it to temperatures outside the specified range.
- Do not open or modify the product.
- The product contains a radio transmitter. Metal surfaces around it reduce the operating range.

## Compliance and legal information

### Manufacturer

KONSTRUCTHOR ALL S.R.L. · Str. Teleorman nr. 53A, ap. 2, 400573 Cluj-Napoca, Cluj County, Romania. Phone +40 765 999 915 · office@konstructhor.ro · www.kinetic-energy.eu.

### Simplified EU declaration of conformity

Hereby, KONSTRUCTHOR ALL S.R.L. declares that the radio equipment type KEKN100 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.kinetic-energy.ro/declaratie-de-conformitate](http://www.kinetic-energy.ro/declaratie-de-conformitate)

### Frequency bands and maximum radio-frequency power transmitted

| Model   | Frequency band | Maximum power transmitted |
|---------|----------------|---------------------------|
| KEKN100 | 433 MHz        | 4.00 dBm e.r.p. (2.51 mW) |

There are no geographical restrictions on putting into service in the EU Member States.

### Waste electrical and electronic equipment (WEEE)



The crossed-out wheeled bin symbol means that the product must not be disposed of with household waste. At the end of its life, take it to a collection point for electrical and electronic equipment or return it to the shop where you bought it. Batteries must be taken separately to a collection point for used batteries.

### Warranty

For consumers, the seller is liable for any lack of conformity that exists at delivery and becomes apparent within two years of delivery (Directive (EU) 2019/771; in Romania,

Government Emergency Ordinance no. 140/2021). Defects caused solely by incorrect installation, overload, moisture or unauthorised work are not covered. Keep your invoice.

KINETIC ENERGY is a registered trademark. Up-to-date manual and declaration of conformity: [www.kinetic-energy.eu](http://www.kinetic-energy.eu). Manual version: v3, October 2026.