



USER MANUAL

KERP0154

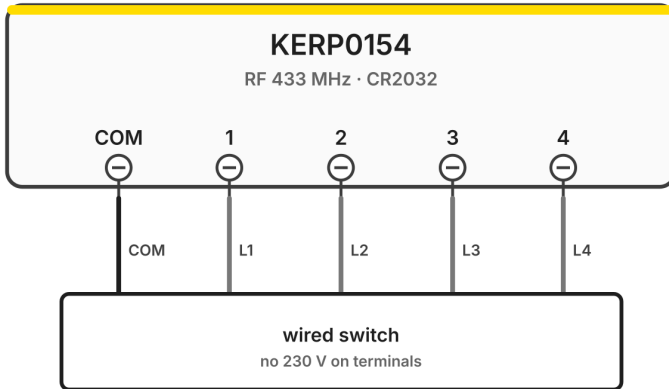
Transmitters for wired switches

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

The KERP0154 transmitter turns a conventional wired switch into a wireless control for KINETIC ENERGY controllers. When you operate the wired switch, the transmitter sends a 433 MHz radio signal to the paired controller, which switches or dims the load.

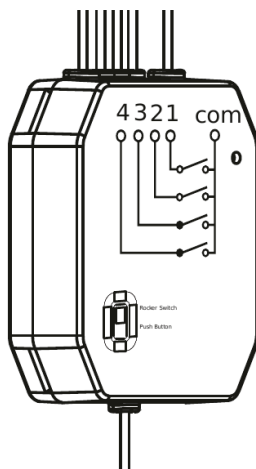


Brown wire (COM) to the common terminal, white wires 1–4 to the key outputs.

Wiring diagram — KERP0154

They are useful when you want to keep the existing switches in the house but control the lighting or other loads through KINETIC ENERGY controllers, including remotely or from an app (through the Wi-Fi and Zigbee controllers).

- Transmitter powered by a CR2032 battery, with four dry contact (volt-free) inputs and one common wire. Install it in the wall box of the wired switch.



KERP0154 transmitter

Specifications

Parameter	KERP0154
Power supply	CR2032 battery
Neutral conductor (N) required	No
Number of inputs	4 (white wires 1–4) + common (brown wire, COM)
Input type	Dry contact (volt-free)
Compatible wired switches	Rocker switches or push buttons (momentary) (DIP switch)
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
Dimensions	35 × 28 × 11 mm
Indicators and controls	DIP switch Rocker Switch / Push Button
Antenna	Antenna wire

Connection

The transmitter has one brown wire (common, COM), four white wires (inputs 1–4) and one antenna wire. The wired switch no longer switches the load directly; its contacts become only a signal for the transmitter.

Note: The transmitter operates from a 3 V battery. Never connect it to a switch that still has 230 V conductors on its terminals. The wall box of the wired switch is part of the 230 V installation. Work only with the circuit disconnected at the distribution board. Installation must be carried out only by a qualified electrician. Join the live wires together (step 3) only after the KINETIC ENERGY controller has been installed on the lamp circuit; otherwise the lamp stays on permanently.

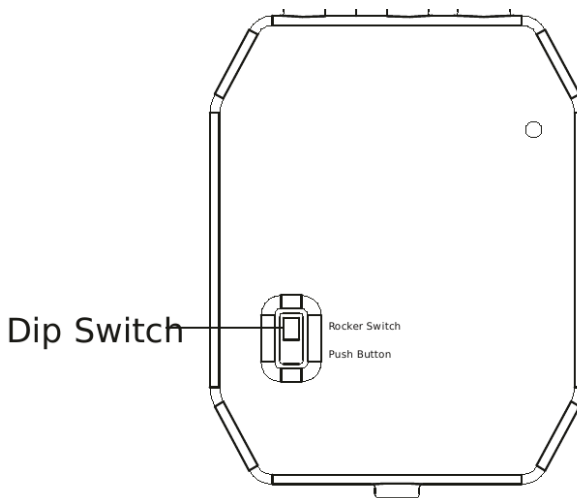
1. Switch off the circuit breaker of the circuit at the distribution board and verify that the circuit is dead.
2. Remove all installation conductors from the wired switch: the incoming live and the outgoing live to the lamp.
3. Join the incoming live and the outgoing live together with a connector and insulate the joint. The lamp stays permanently powered and is controlled by the KINETIC ENERGY controller.
4. From this point, the wired switch has no connection to the 230 V mains. Only the transmitter wires are connected to its terminals.
5. Connect the brown wire (COM) to the common terminal of the wired switch (the terminal marked L or COM).
6. Connect one white wire to the output terminal of the switch. For a multi-gang switch, connect one white wire (1, 2, 3, 4) to the output of each rocker (L1, L2, L3, L4). When you press a rocker, the switch closes the contact between the brown wire and the white wire of that rocker, and the transmitter sends the command.
7. Insulate the ends of unused white wires.
8. Place the transmitter and antenna in the wall box, refit the switch and switch the circuit breaker back on.

DIP switch

The DIP switch selects the type of wired switch.

- Up (Rocker Switch, default position): for rocker switches, fixed position.
- Down (Push Button): for push buttons (momentary).

To return to rocker switch mode, move the DIP switch up.



KERP0154 DIP switch

Pairing with the KINETIC ENERGY controller

Pair each input (rocker) separately. One input can be paired with several controllers. The exact steps and the meaning of the LED are also described in the controller manual.

1. Press and hold the controller pairing button for approximately 3 seconds.
2. Release the button when the controller LED flashes slowly.
3. Operate the wired switch rocker you want to pair once only.
4. The controller LED turns off: pairing succeeded. The rocker now controls the controller.
5. To pair other rockers or other switches, repeat steps 1–4. The maximum number of switches stored on a controller is given in the controller manual (5 or 10).

If the controller is a dimmer, you can also dim the light.

Deleting pairings

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

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

Problem	Probable cause	Remedy
The controller does not respond to the wired switch	The input is not paired	Repeat the pairing for that rocker.
The light switches on and off immediately, or you must press twice	The DIP switch does not match the switch type	Move the DIP switch up for a rocker switch or down for a push button (momentary).
The operating range decreases or the transmitter no longer works	The CR2032 battery is flat	Isolate the circuit at the distribution board, remove the transmitter from the wall box and replace the CR2032 battery, observing the polarity marked.
The command does not reach the controller	The distance is too long or the antenna is next to metal	Take the antenna out of the metal box, move the transmitter closer to the controller or use a controller in repeater mode.

Safety instructions

- Install the transmitter only in the wall box of a wired switch that no longer has 230 V conductors on its terminals. Installation by a qualified electrician, with the circuit switched off.
- Use only CR2032 batteries; do not dispose of the battery with household waste; keep it out of reach of children (risk of swallowing).
- Do not open or modify the product, except to replace the battery.
- The product contains a radio transmitter. A metal wall box reduces 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 KERP0154 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

Frequency bands and maximum radio-frequency power transmitted

Model	Frequency band	Maximum power transmitted
KERP0154	433 MHz	10 dBm e.r.p. (10 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. Manual version: v3, October 2026.