

ELEKTROMODUL.RS

User Manual



2-Channel Remote Switch

Universal 433.92 MHz RF receiver with remote control

Power supply AC 220 V · 2 relay outputs (NO/NC/COM) · 3 operating modes · Item code: A3264

Manual for use, wiring and remote control pairing

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1. Device description and applications

A3264 is a universal two-channel remote control switch — a 433.92 MHz RF receiver with two independent relays and a remote control. Each relay provides a dry contact (NO/NC/COM), so it can switch a load directly or act as a control contact for other automation. The receiver memorises remote controls through a code-learning procedure, and the relay operating mode is selected during pairing.

Typical applications:

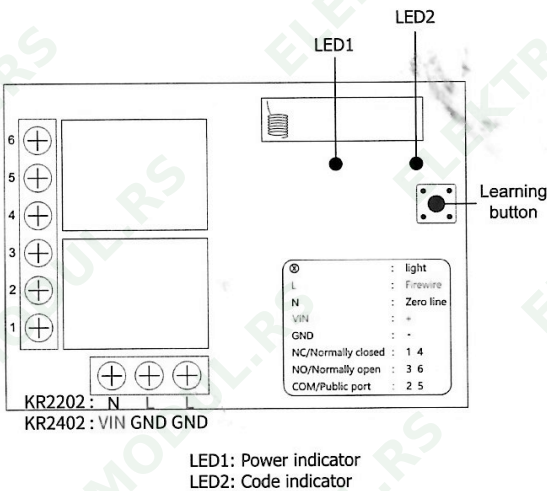
- Remote switching of lighting (two independent circuits)
- Tubular (roller shutter) motors — forward/reverse
- Gates, barriers and doors — impulse command to the drive unit
- Pumps, fans and other loads up to 1100 W
- Replacing a damaged wall switch where cabling is difficult

2. Technical specifications

Parameter	Value
Receiver power supply	AC 85–220 V, 50/60 Hz
Operating frequency	433.92 MHz
Standby current	8.5 mA
Maximum load	1100 W (resistive load)
Receiver sensitivity	–108 dBm
Channels	2 relays, NO / NC / COM contacts (dry contact)
Operating modes	momentary · toggle · latching (interlock)
Pairing	learning button on the receiver; remotes with learning code type 1527
Operating temperature	–10 to +70 °C
Receiver dimensions	68 × 48 × 18 mm

3. Receiver layout and terminals

2CHANNEL RECEIVER INSTRUCTION



LED1 — power indicator · LED2 — code (pairing) indicator · Learning — learning button

Terminals	Function
N, L	Receiver power supply AC 220 V (neutral, live)
1 · 2 · 3	Relay 1: 1 = NC (normally closed) · 2 = COM (common) · 3 = NO (normally open)
4 · 5 · 6	Relay 2: 4 = NC (normally closed) · 5 = COM (common) · 6 = NO (normally open)

Note: the PCB and diagrams are marked KR2202 (the AC 85–220 V version). The KR2402 / VIN / GND markings refer to the DC version and are not used with this item.

4. Three relay operating modes

The operating mode is selected by the number of presses of the learning button during pairing (chapter 5). Both relays work in the same, selected mode.

1) Momentary mode

The relay is ON only while you hold the remote button. Button A holds relay 1, button B relay 2. When you release the button, the relay switches off. Suitable for impulse commands (gate automation, bells, start signals).

2) Toggle mode

Each press changes the relay state: press A — relay 1 switches on; press A again — it switches off. Button B controls relay 2 in the same way. The most common choice for lighting and loads that stay on.

3) Latching mode (interlock)

The buttons exclude each other: pressing A switches relay 1 on; pressing B switches relay 1 off and relay 2 on. A third remote button (C) switches everything off. This mode is intended for tubular motors (up/stop/down) — the two relays are never on at the same time.

For latching mode a remote with three or more buttons is recommended.

5. Pairing the remote and selecting the mode

Pairing is done with the Learning button on the receiver. The number of presses selects the mode:

Learning button	Mode being set
1× press	momentary mode
2× presses	toggle mode
3× presses	latching mode (interlock)

Procedure (toggle mode example):

- **Step 1:** Press the learning button on the receiver 2 times (1× or 3× for the other modes). The LED on the receiver lights up — the receiver is in the setting state.
- **Step 2:** Press the first button of the remote (A). The LED flashes and turns off — button A is stored.
- **Step 3:** Press another button of the same remote (B). The LED flashes and stays lit — pairing is successful and the operating mode is set.

Notes:

- The mode can only be set while LED1 (power indicator) is lit.
- Several remotes can be paired to the same receiver — repeat the procedure for each.
- If nothing is pressed in the setting state, the receiver exits the setting state by itself.
- Use the supplied remote or remotes with learning code type 1527 at 433.92 MHz.

6. Clearing the memory (reset)

To erase all stored remotes (for example when the owner changes or a remote is lost):

- Press the learning button on the receiver **8 times in a row**.
- LED2 on the receiver flashes — the memory is cleared.
- All previously paired remotes stop working; pair again the ones you need (chapter 5).

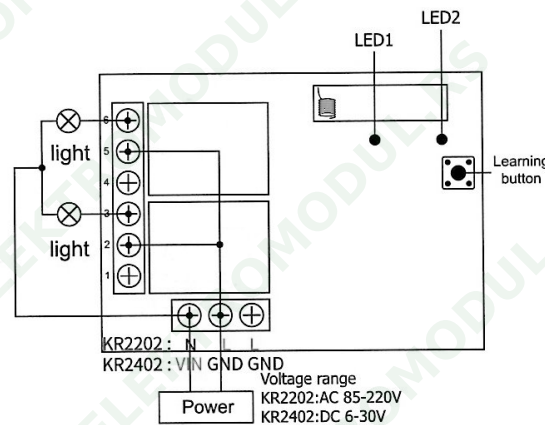
7. Wiring diagrams

⚠ **Wire the device only with the power disconnected — switch the breaker off first!**

7.1. Two independent loads (lighting)

WIRING DIAGRAM

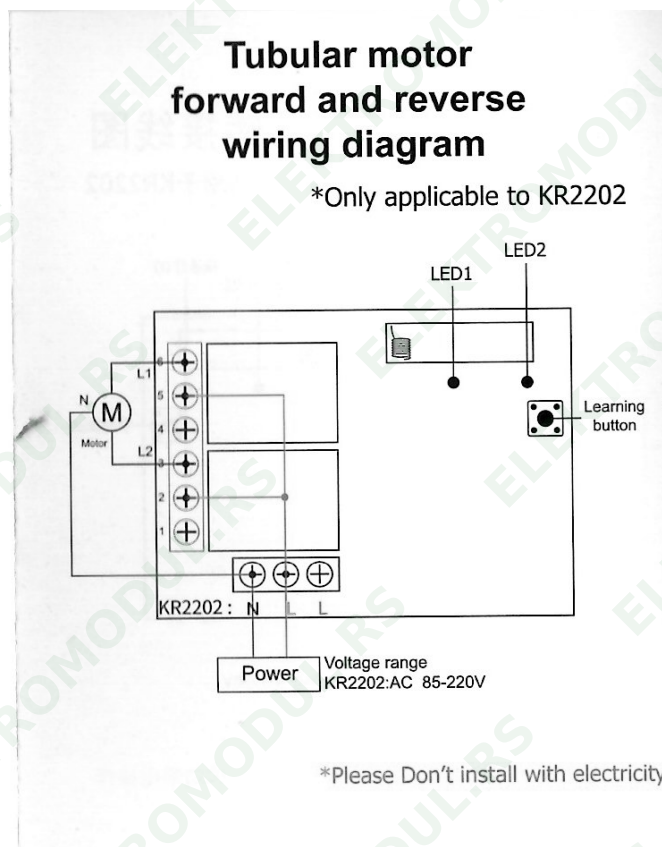
Wiring diagram of the lamp



*Please Don't install with electricity

The live wire for the loads goes through the COM terminal (2 or 5), and the load connects to the NO terminal (3 or 6). The neutral of the load is connected directly. Receiver supply: N and L terminals.

7.2. Tubular (roller shutter) motor — forward/reverse



For tubular motors use the latching (interlock) mode — relay 1 feeds one direction, relay 2 the other, so the motor never receives both directions at the same time. The third remote button stops the motor.

8. Safety notes

- The device operates at 220 V mains voltage — wiring must be done by a qualified person only.
- Always disconnect the power supply (breaker) before wiring or changing connections.
- Do not exceed the maximum load of 1100 W per relay; use a contactor for larger loads.
- Install the receiver in a dry place, in the supplied housing; keep away from moisture and direct sunlight.
- Straighten the antenna (wire on the PCB) and keep it away from metal masses for better range.
- The device is not a toy — keep out of reach of children.

9. Troubleshooting

Problem	Solution
LED1 not lit	No power — check the N and L terminals and the breaker.
Remote not responding	Check the remote battery; then repeat the pairing (chapter 5). If it still does not work, do a reset (chapter 6) and pair again.
Short range	Straighten the antenna on the receiver PCB; move the receiver away from metal surfaces, distribution boards and thick walls.
Relay clicks but the load does not work	Check that the load is connected to the COM + NO terminals (2-3 for relay 1, 5-6 for relay 2) and that the live wire goes through the relay.
Device switches by itself	A foreign remote with a similar code is probably paired — do a reset (8× learning button) and pair only your own remotes.
Wrong operating mode	The mode is selected by the number of presses during pairing — repeat the procedure from chapter 5 with the desired number of presses (1×, 2× or 3×).