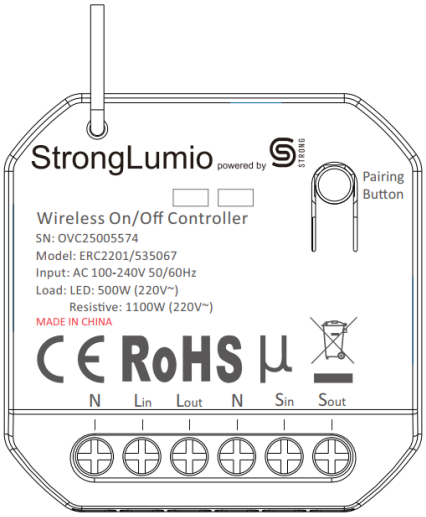


StrongLumio

powered by: STRONG

StrongLumio switching relay receiver for wireless kinetic switches 230 V

1. Product overview

The device is meant for use as a switching relay controlable by both wired and wireless switches. It can be paired with multiple wireless kinetic switches and also allows using an existing traditional wired switch. Does not support dimming.

Use the product only according to this user manual. Do not open or disassemble the device. Keep and use it in dry environment protected from weather conditions. It is not suitable for use in exterior. Installation must be performed only by authorized and qualified personnel.

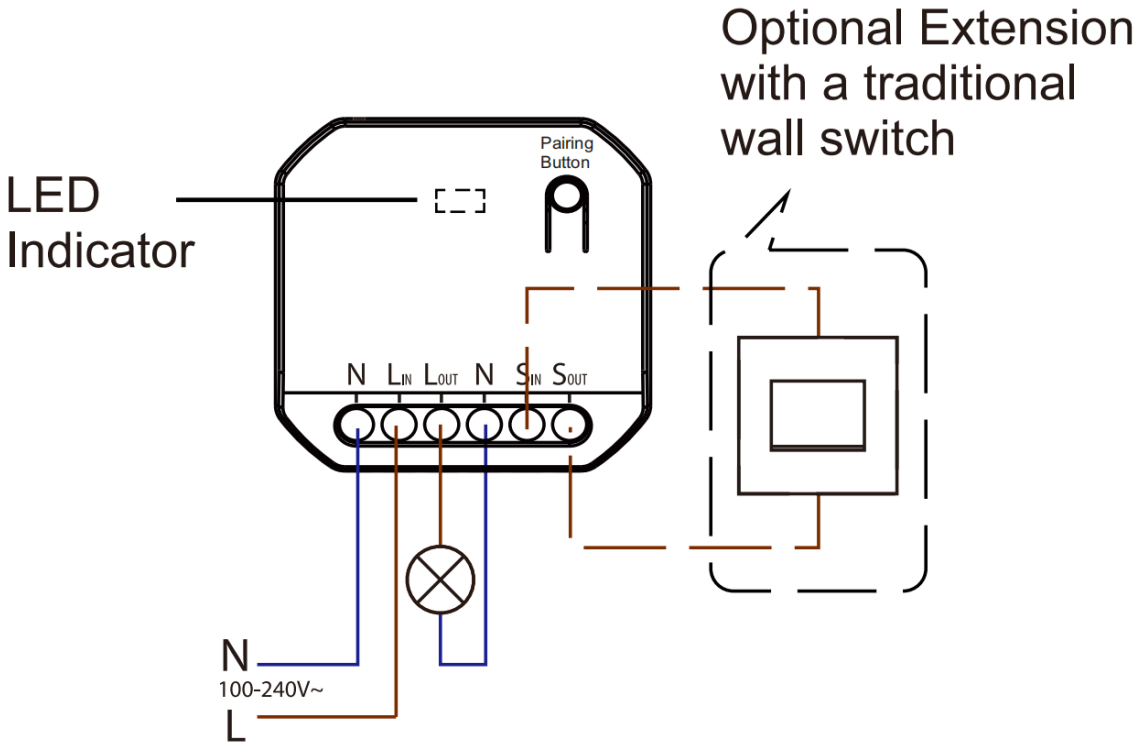
2. Technical parameters

Parameter	Value	Parameter	Value
Model	535067 / ERC2201	Radio frequency	RF 433 MHz
Voltage range	100-240 V; 50/60 Hz	RF receiving sensitivity	-110 dBm
Standby power consumption	<1 W	Output	Single channel ON/OFF
Maximum load	500 W LED; 1100W other load	Communication distance*	80 m outdoor, 25 m indoor
Maximum current	5 A	Size lxwxh	44x44x22 mm
Capacity	Up to 10 wireless switches	Protection	IP20
Operating temperature	-20℃ ~ +55℃	Certification	CE, RoHS

*Distance comes from supplier's laboratory test results. The actual distance in practical use might vary due to environmental difference.

3. Installation and wiring

1. Ensure that the power is turned off before installation.
2. The mini wireless receiver/controller line input should be connected using live and neutral cable from mains.
3. Output lines should be connected to load using cable rating suitable for 100-240V depending on voltage at site. (see diagram below).



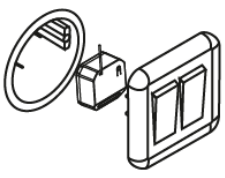
L_{in}: Live input terminal

L_{out}: live output terminal connected to light/load

N: Neutral wire terminals

S: terminals for hardwired switch.

Installation locations:



Mounted into the switch box or electrical socket

Mounted into the ceiling of the lamp panel

If installed in a ceiling void it is recommended that a junction box used to avoid accidental exposure to live terminals.

4. Product functionality

4.1. Pairing with wireless kinetic switches

4.1.1. Traditional hardwired switch method

After the receiver is powered on (within 2 minutes), press the hardwired switch for 5 times (within 2 seconds). The light will start flashing, indicating pairing mode. At this time, press the wireless kinetic switch once and the light will stop flashing. The pairing is now completed. If the receiver is powered on for more than 2 minutes it cannot enter the pairing mode through traditional switch.

4.1.2. Physical wireless switch pairing method

Press the controller pairing button for 3 seconds, the red indicator will enter slow flashing state (1 flash per second), it enters the status of “waiting for pairing”. At this time, shortly press the button of a kinetic switch that needs to be paired, pairing is completed. Repeat the process to pair another switch (Maximum 10).

If need to extend the wireless communication range, it is possible to use a **„bridging mode“ (mesh)** on a second receiving controller. Press the function button for 7 seconds until the red LED light changes from slow to fast flashing and release the button. The red LED will start flashing once every 2 seconds to indicate the successful bridging. Once the second controller is in Bridging Mode and paired with the switch it will forward the signal from the switch to the controller situated outside of controlling range. If paired to a remote switch while in bridging mode, then the bridging controller can also control it’s own load. To disable the bridge mode, repeat above steps.

4.2. Clearing pairing information

To remove the controller stored pairing information, press the pairing button for 12 seconds until the indicator light goes off – all the paired switches will be removed from memory.

5. Precautions

Wiring must be done in accordance with the method of installation illustrated.

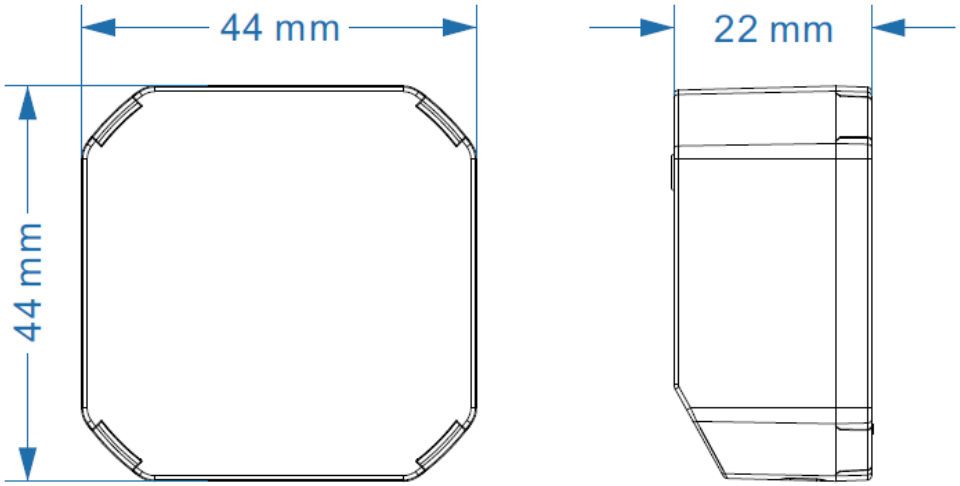
Please note the maximum load of an individual controller. Exceeding this maximum will result in damaging the controller.

Do not short-circuit, it will cause permanent damage to the receiving controller.

Damage caused by incorrect installation and operation are not covered under warranty.

The controller will remain "OFF" after a power cut, saving energy, reducing fire risk and protecting your appliances.

6. Dimensions



Producer: Démos trade, a.s.
Škrobálkova 630/13
718 00 Ostrava-Kunčičky
Czech Republic