

User's Manual

Document Number: ZY302-FCC-2-3 Version: V1.0

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1. Product Overview

The ZY302-FCC-2-3 is a wireless remote controller equipped with three trigger buttons. It can be matched with our receiving modules and controllers, or used independently with customers' self-owned equipment. It applies to wireless remote control scenarios including energy-saving lamps, home anti-theft alarm systems, industrial and household automatic control equipment.

This remote controller features high integration and stable frequency performance with reliable signal transmission in common indoor and security scenarios. Its circuit adopts a dedicated RF frequency stabilization chip, operating at 433.89 MHz with eV1527 rolling code encoding. It is powered by a built-in 12 V 23A battery.

2. Technical Parameters

Product Model: ZY302-FCC-2-3

Number of Keys: 3 keys

Modulation Method: ASK

Operating Indicator: Red LED stays on during transmission

Operating Voltage: 12 V (23A battery)

Operating Current: 35 mA ~ 40 mA

Operating Frequency: 433.89 MHz

Transmit Power: 8 mW ~ 15 mW

Encoder Chip Model: eV1527 (learning code)

RF Chip Model: CMT2110A

Oscillation Resistor: 330 k Ω

Crystal Oscillator Specifications: 26 MHz, 9 pF, ± 10 ppm

Antenna Gain: 2 dBi

Product Dimensions: 92 mm $\times$ 40 mm $\times$ 15 mm

3. Battery Safety Tips

This device contains a 12 V 23 A battery. Keep it out of reach and away from young children to prevent accidental ingestion. If the device is not used for an extended period, remove the battery to avoid leakage and corrosion of internal circuits. Dispose of used batteries properly at designated recycling points; do not discard them carelessly.

4. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or in conjunction with any other antenna or transmitter.

The device can be used in portable exposure conditions without restriction.