

# 433 MHz RF remote control with 1-channel relay receiver, 12 V DC

## Product codes:

Reference: AM6045

EAN13: -

UPC: 94059900

## Product features:

Current: 25 A

Voltage: 12 V DC

Performance: 10 mW

Frequency: 433 MHz

Waterproof grade: IP22



## Product attributes:

## Product description:

The wireless kit for remote switching of electrical devices includes a 1-channel RF receiver and one hand-held transmitter. The system is designed to control the relay output in applications such as lighting, electric doors, gates, roller shutters or other switched circuits. The receiver is powered by 12 V DC and uses radio communication in the 433 MHz band.

## Technical specifications

- Kit type: 1 receiver + 1 remote control
  - Wireless communication: RF
  - Number of channels: 1
  - Working frequency: 433 MHz
  - Receiver frequency: 433.92 MHz
  - Receiver power supply: 12 V DC
  - Controller coding: 1527 learning code, EV1527
  - Supported relay modes: momentary, toggle, latched, mix
  - Receiver dimensions: 46 × 38 × 17 mm
  - Controller power supply: 3 V DC
-

- Controller operating current: 25 mA
- Controller transmission power: 10 mW
- Transmission distance: 50 m in free space
- Controller battery: included
- Controller color: black
- Package weight: 30g

### **Functions and features**

- 1-channel relay receiver for wireless switching from a compatible RF controller
- One-button hand control
- Pairing using learning code
- The receiver is equipped with a terminal block for power supply and connection of the switched circuit.
- Plastic receiver housing protects electronics during installation
- Suitable for controlling both AC and DC loads within the limits specified on the relay

### **Ideal for**

- Remote lighting control
- Control of electric doors and electromagnetic locks
- Switching door and gate drives
- Control of roller shutters and automatic door systems
- Simple wireless switching of powered circuits

### **Package contents**

- 1x 1-channel relay receiver
- 1x remote control

### **Why choose this product?**

- The combination of receiver and controller forms a complete basic set for one wirelessly controlled relay
- Learning code support allows pairing with a compatible remote control with the same frequency
- Multiple relay modes expand the possibilities of use according to the nature of the controlled device
- The receiver's compact dimensions make it easy to install in a device or junction box of appropriate dimensions

### **Installation and operating instructions**

- Before connecting, check the receiver supply voltage and terminal connections.
  - During installation, ensure correct connection of the 12 V DC power
-

supply and the connected load.

- Install the receiver in a dry environment and in a position that allows safe wiring.
- Pair the remote control using the learning code mode on the receiver.

### Safety notice

- There is a risk of electric shock when connecting a 220 V AC mains load.
- The connection of the device to mains voltage must be carried out by a person with appropriate professional qualifications.
- Incorrect wiring may lead to a short circuit, damage to the relay, overheating, or damage to the connected device.
- Do not exceed the switching parameters indicated directly on the relay.
- Always disconnect power before assembly, maintenance, or wiring changes.

### Product gallery:



DC power supply wiring diagram



DC 12V power supply