

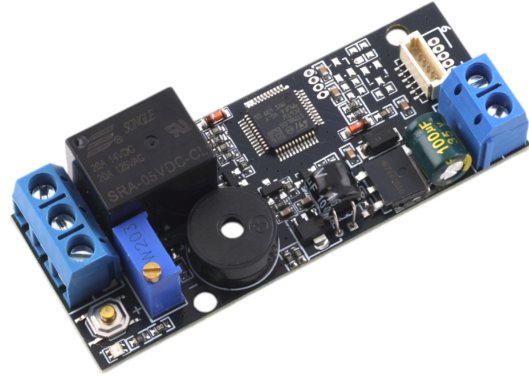
# Relay switching module K202, 12V DC

## Product codes:

Reference: AM0376

EAN13: -

UPC: 85364190



## Product features:

Voltage: 12 V DC

Waterproof grade: IP20

## Product attributes:

## Product description:

The K202 control board is a compact and reliable unit for controlling relays using fingerprint sensors. It allows for simple user management, low power consumption and flexible setting of relay switching times. This makes it suitable for secure control of electronic locks, time and attendance and access systems or other devices requiring authorization.

## Technical specifications

- Power supply: DC 12V
- Output: relay (max. 10A, clean contact without voltage)
- Fingerprint capacity: up to 120 users
- Standby current: 15  $\mu$ A
- Adjustable relay time: 0.5 – 30 s (adjustable with potentiometer K2)
- Board dimensions: 64.4 × 25.4 mm
- Connectors: MX 1.0 mm / MX 1.25 mm (6 pins for fingerprint sensor connection)

## Functions and features

- Possibility of registering administrator and user fingerprints
  - Relay with adjustable switching time
  - Supports up to 120 unique fingerprints
  - Very low standby power consumption
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- Easy integration into access systems

#### Detailed instructions for use

- **1. Register a fingerprint:** Press the *SET* button (*K1*) briefly. The blue LED will start flashing quickly - the system is in registration mode. Place your finger on the sensor. After the musical signal sounds, the fingerprint is saved. If you want to add more fingerprints, add them one by one until the LED is active. If you are not adding any more, wait a few seconds - the system will return to standby mode.
- **2. Using stored fingerprints:** Place the registered finger on the sensor. The relay will close and remain active for the time set by potentiometer *K2*.
- **3. Setting the relay switching time:** Turn potentiometer *K2* and set the relay switching time in the range of 0.5 - 30 seconds. The relay works as a switching contact (without voltage output).
- **4. Factory reset:** Press and hold the *SET* button until you hear a long tone and melody. All fingerprints will be erased and the board will return to its default state. Any finger can be used in the factory settings.
- **5. Status indicators:** In standby mode, all LEDs are off. During operation (registration, verification), the LEDs are on or flashing according to the current activity.

#### Comment

- In the factory state, the system is "open" - any finger can be used. After registration, it is always necessary to use the stored fingerprints.
- A relay is a pure switching contact - it does not output voltage, it only switches or opens the connected circuit.
- During installation, ensure correct power polarity and safe connection of the relay output.

#### Product gallery:



