

Access control device via Bluetooth™ with management via mobile application



Main features

- Relay activation for door/gate opening using the KeyPass Personal application (iOS or Android)
- It is not necessary to be connected to the internet to send the opening command
- Unlimited number of users with access by credential (temporary or permanent validity)
- Protection against capture of information in an improper manner

Applications

- Solution for corporate and residential environments, providing autonomous access control
- Allows activation of garage gates, doors with electronic lock and turnstiles, 50 meters away
- It has break-in detection and a buttonhole input

General vision

The KeyPass Relay is a solution for corporate or residential access control that uses the user's cell phone as a form of identification to provide access. The cell phone does not need to be connected to the Internet to provide access because it uses wireless technology Bluetooth™, present in all smartphones.

The product is used through the Khomp Personal KeyPass application. The KeyPass Relay is activated securely, without the need for Internet access or a local Wi-Fi network.

Advantages of use

- No additional interfaces (cards/tags, remote controls or keys) to provide user interaction.
- It can be easily installed inside the cable junction box and does not need to be visible in the external environment.
- It uses AES-256 encryption, the same level of security adopted as standard by the governments of several countries and is currently the most used encryption method worldwide.

Technical specifications

Main functions

- Activated by Bluetooth™, using the KeyPass Personal application (iOS and Android)
- It is not necessary to be connected to the internet to open doors or gates
- Access by credential to users, with temporary or permanent validity
- Unlimited number of users per access point
- Unlimited number of access points per user
- Relay for actuation, with parameterized pulse time, for different types of locks/actuators
- An interface for door sensor, with possibility for monitoring break-in and malfunction of the lock
- Buzzer (beep) for feedback (alert) to the user
- End-to-end cryptography

Warranties and Certifications

- Total warranty (legal + Khomp warranty): 1 year
- Legal warranty: 90 days
- Khomp warranty: 9 months
- ISO 9001 industry certified

Physical/Environmental

- Power source:
- External source: 5-12 V
- Maximum power consumption: 2 W
- Radio characteristics:
- Frequency: 2.4 GHz
- Transmission power: 4 dBm
- Sensitivity: -96 dBm
- Relay capacity: 2 A, 120 V AC
- 2A, 24 V DC
- Dimensions: 75x24x60 mm
- Weight of product (without packaging): 150 g
- Operating temperature: -20 °C to 60 °C
- Storage temperature: -30 °C to 85 °C
- Storage humidity: 10 % to 90% (non-condensed)
- Degree of protection IP30 (protected against solid objects with Ø greater than 2.5 mm)

Modularity

- BLE Relay 100: A simple activation to operate relay for buttons and locks
- BLE Relay 110: One relay and two sensors for gate/closure control, with buttonhole input and door monitoring
- BLE Relay 120: Two relays and four sensors for control of up to two gates/closures (in lock mode), with input for buttonhole and door monitoring

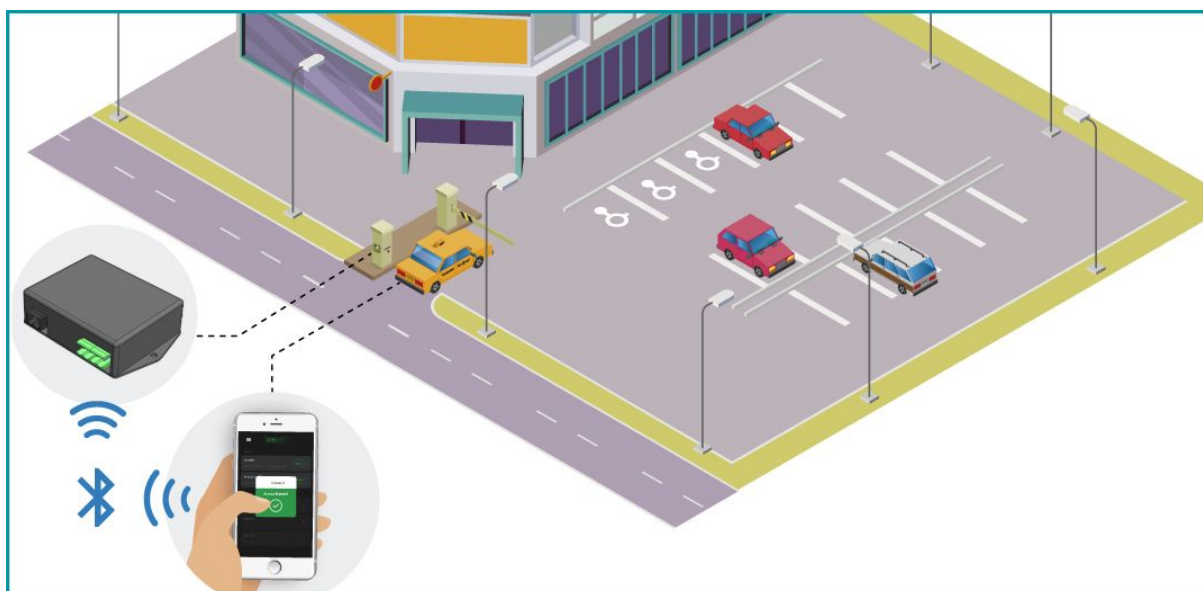
Other product images



Application templates



User of the system applying the residential gate opening via Bluetooth™.



User of the system applying the opening of the commercial gate via Bluetooth™.



User of the system applying the corporate door opening via Bluetooth™.