KHOMP

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 ºC to 60 ºC
- Storage temperature: -30 ºC to 85 ºC
- Storage humidity: 10 ºC 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
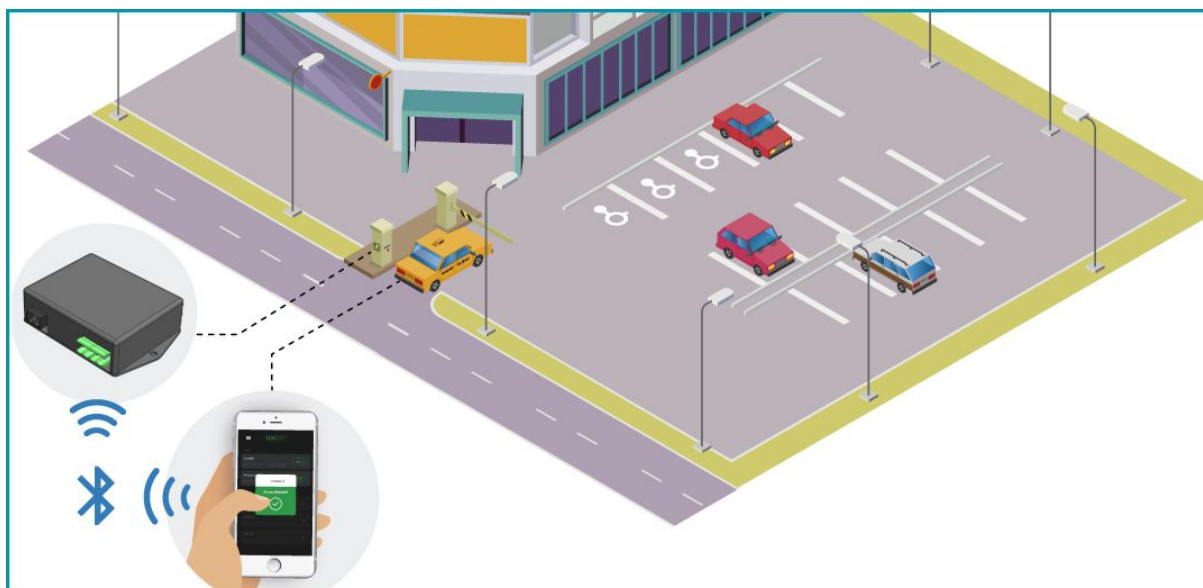
Other product images

Application templates

Subtitle: *User of the system applying the residential gate opening via Bluetooth.*

Subtitle: *User of the system applying the opening of the commercial gate via Bluetooth.*

Subtitle: *User of the system applying the corporate door opening via Bluetooth.*