



We create secure keyless access environment



Smartphone based access/entry control

SmartAirkey is the novel system which provides keyless access from a Bluetooth / BLE enabled smartphone, allowing the user to get rid of keys, fobs, key-cards and store all keys in the single mobile application.

Areas of application

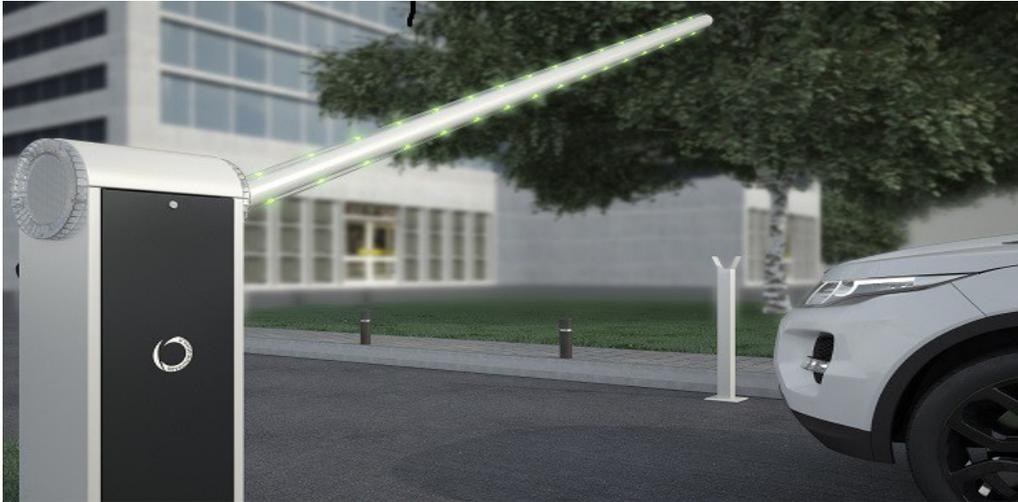
Manage electromagnetic locks, electric strikes , electronic drop bolts , gates, barriers and turnstiles.

For real estates, apartments, offices, parking lots and "smart homes".

- Keyless access/entry the door, gate, parking lot or garage with the "hands-free" feature.

- Simple provision the temporary "guest" access by help of the mobile application (Android or iOS).

- Simple integration with existing access control systems.



System features

- The universal secure access / entry control solution using a smartphone; all user's keys are stored in the single mobile application for smartphone.

- Controller can manage almost any kind of electrical powered lock or latch.

- Supports 95% of mobile devices on iOS and Android platforms.

- Access controllers do not require connection to Internet or cellular networks, which simplifies installation and reduces operating costs.

- Reliable protection of digital keys using a cryptographic protocol.

- Digital keys for users issued remotely. The connection of smartphone to Internet is necessary only at the time of receiving a digital key and is not required to use the controller.

- The "hands-free" feature for providing the comfortable access.

- Standard integration with modern access control systems by Wiegand 26.

System components

1. Access controller with built in relay+Bluetooth reader
2. Mobile application for iOS, Android

Access Controller+Bluetooth reader (SimpleLock)

Direct secure connection to a smartphone
by Bluetooth / BLE

Operation range -40 ° C + 60 ° C

Wiegand 26 interface support (input+output)

Embedded 220V ~ 3A relay for NO and NC



Mobile application for iOS, Android



Access security, scalability and extensibility of functions.

- Opening by approaching to the controller, tilting smartphone or swiping virtual button on the mobile App.
- Customizable read distance and response time.
- Operating in the background mode using energy saving mode.
- Encryption of keys and access in the application by pin-code or fingerprint.

Digital keys are secured by a cryptographic protocol based on the proven digital signature SHA-256 technology with 256 bit encryption.

Technology is patent pending.