R8
PRODUCT LINE
announcement of new functions

REMOTE CONNECTION

GSM
WIFI
BLE

In addition to direct Bluetooth connection, the R8 line offers the option of remote connection via GSM/LTE or home Wi-Fi.

The control units have a GSM module with an e-SIM card. The set price includes a data subscription package valid for 10 years.
This allows:

- remote door opening (and activation of all relays);

- remote addition and deletion of codes (useful for managing access to holiday accommodations);

All other functions (creating schedules, activating the free pass mode) are also remotely accessible, with the exception of adding fingerprints.

SIMULTANEOUS ANALOGUE AND APP CONTROL

The analogue and app control functions are no longer separate, but can be used in combination. Analogically entered fingers and codes can be subsequently assigned to persons and named in the app.
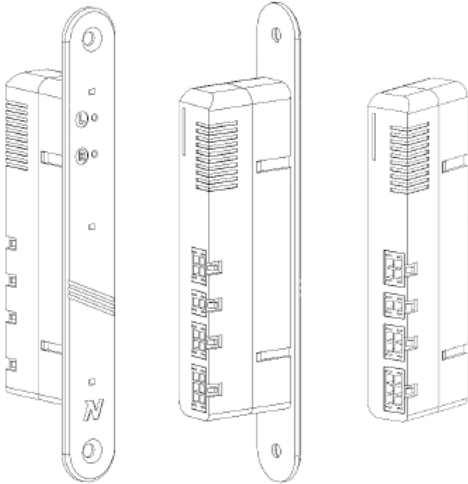
QUICK AND EASY ACCESS

No user registration is required to log in to the app, and remote access is possible via the GSM module without any configuration. Local control is also possible without an internet connection.
R8 products still allow simple analogue control for users who do not wish to use the app.
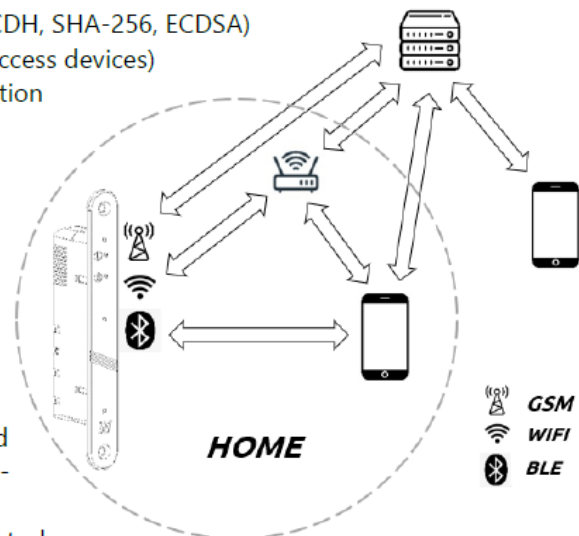
NEW CONTROL UNIT

The new control unit is mounted on the side of the door profile.

- Minimized design (95mmx17mmx29mm) and simple parts
- Two main parts (box and front for different mounting purposes)
- Connectors compatible with previous version (same pinout and colors)
- SIM slot or eSIM (populated one or another)
- Communications: OWC, BLE, Wifi, GSM (2G, 3G, NB, optional LTE)
- LED indication visible on the front (via small hole)
- Switch-button accessible on the front (via small hole)
- Easy assembling, maintenance and reparing
- Reverse polarity protection
- One design for all mounting variants (wood, aluminum, plastic ...)
- OTA upgrade supported

SYISTEM ARCHITECTURE OVERVIEW

- Easy installation and simple use
- Enable remote access without registration
- High security communication (encryption, ECDH, SHA-256, ECDSA)
- Device access API (third party software can access devices)
- eSIM for immediate mobile data communication (500MB for 10 years)
- Phone-oriented user management (no user registration)
- Allows limited number of phones per device (security reason)
- Using advanced techniques to prevent server attacks
- Device configuration is stored on device itself (no data on server)
- Three communication channels (BLE, Wifi and GSM) which provides reliable and internet-independent communication
- Simple standalone analog mode (manual control only – no application)
- OTA upgrade supported

HOME

GSM
WIFI
BLE

FUNCTIONALITIES

- ✅ SIMULTANEOUS ANALOGUE AND APP CONTROL

- ✅ ONE CONTROL UNIT DESIGN FOR ALL DOOR TYPES

- ✅ ACCESSIBLE RESET BUTTON

- ✅ GSM/LTE CONNECTION ON THE CONTROL UNIT (500 Mb/10 years)

- ✅ REMOTE DOOR OPENING

- ✅ REMOTE CONTROL OF THE DEVICE VIA SMARTPHONE (CODES AND FINGERPRINTS MANAGMENT)

- ✅ CONFIGURABLE BEEPER VOLUME

- ✅ REMOTE KEYPAD CODE CHANGING

- ✅ CONFIGURABLE READER LED BRIGHTNESS

- ✅ REMOTE ADDITIONAL PHONE CONNECTION (UP TO 10 PHONES PER DEVICE)

- ✅ HISTORY LOG UP TO 500 EVENTS

- ✅ EXPORT HISTORY TO PHONE

- ✅ FREE PASS SCHEDULE

- ✅ EXTENDED SCHEDULE OPTIONS FOR EACH USER (DATE, TIME AND VALIDITY)

- ✅ REMOTE ACCESS WITHOUT USER REGISTRATION

- ✅ PLUG&PLAY OPTION FOR REMOTE ACCESS WITHOUT ANY CONFIGURATION (GSM VERSION)

- ✅ APPLICATION NOTIFICATIONS (DOOR OPENED, CONFIGURATION CHANGED, PHONE ADDED ...

- ✅ LOCAL DEVICE MANAGEMENT WITHOUT INTERNET CONNECTION

- ✅ ONLINE SOFTWARE UPGRADE

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