

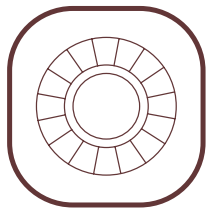
# Intelligent Keypad

Enables secure access control



The Intelligent Keypad makes access to buildings more secure and convenient. Combined with a smart door lock, the keypad enables access to buildings through a tag or pin code, making it traceable who enters a building at what time. As the keypad enables key-less entry (e.g. for guests or maintenance), restricted access to parts of a building, and in-house delivery, it fits perfect for offices, homes, or summer houses.

The keypad includes a tag reader and allows for users to enable and disable an alarm system using a pin code or a RFID tag. Access data can be updated remotely via a gateway to facilitate access control.



## Key features

- RFID tag reader
- Battery-powered
- Tamper-protected
- Buzzer and LED
- Intelligent back light
- Zigbee 3.0 certified
- EN50131 Alarm certified (optional)

## Numerous features and design options

The Intelligent Keypad includes a tamper switch that detects opening of the unit, which makes it suitable for alarm systems. Also, the keypad includes a programmable buzzer for indication of entry, exit, alarms, or any other indication needed in your solution. Red, Green, and Yellow LEDs are available for indications of alarms, etc.

The keypad can be delivered in white and black and can be used indoors and outdoors. It has 16 buttons that you can design to fit your solution and can be mounted on the wall using screws or double-sided tape.

Please note: Customization options are only available for high-volume roll-out (MOQ 10 000).

## Saves battery when not in use

The RFID only consumes energy when it is needed. The Intelligent Keypad includes a sensor that detects when a person is within operating distance, which will enable the RFID and make the keypad light up in the dark. This saves energy and allows for a longer battery lifetime.

# Intelligent Keypad

## Technical specifications

Model number: KEPZB-110



### General

Dimensions (W x H x D)	90 x 90 x 22 mm / 3.54 x 3.54 x 0.87 inches
Weight	92.3 g / 3.26 oz (with packaging 241.2 g / 8.51 oz)
Colour	White (Optional: Black)
Power supply	Battery: 4 x AA Alkaline Battery life: up to 12 months (normal usage) Battery level and low battery warning can be reported
Radio	Sensitivity: > - 100dBm Output power: max. +10 dBm EU & max. +19 dBm US
Environment	For indoor and outdoor use Operation temperature: 0 – 50oC / 332 - 122°F Relative humidity 5% - 85% non-condensing

### Functionality

Presence	Detection of person present (typ. within 5-10 cm / 2-3 inches) Detection interval 500 ms (1s reaction)
Key Pad	'0' – '9' + 6 function buttons Back light: On when unit active (person present) and light level low
RFID	Supports tags following the standards: ISO14443A and MIFARE classic All tags must have their own unique identifier (UID) Reading distance: typ. 5 cm / 2 inches

### Communication

Wireless protocol	Zigbee 3.0, Zigbee end-device
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### Certifications

Conforming to CE, FCC, IC, ISED, RED, RoHS and REACH directives  
EN50131 Alarm-certified (optional)  
Zigbee 3.0 certified

