

Tech specs

BASELINE

KeyPad Plus Jeweller

Wireless touch keypad with support for encrypted contactless cards and key fobs



Device compatibility

Check

Communication

Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote control and configuration in Ajax apps.

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Frequency bands

866.0–866.5 MHz

868.0–868.6 MHz

868.7–869.2 MHz

905.0–926.5 MHz

915.85–926.5 MHz

921.0–922.0 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 20 mW

Automatic power control to reduce power consumption and radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,700 m

Between the keypad and a hub (or range extender) in an open space.

Calculate the radio communication range at the facility >

Encrypted communication

All stored and transmitted data are protected by block encryption with a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more >

Key features

Sensor type

capacitive

Malfunctions and security mode indication

When KeyPad Plus is active, it notifies with an LED indication of the security mode, problems with detectors, or communication loss with the hub.

Functional button

Operates in one of the modes.

alarm

The system sends an alarm to the central monitoring station and users. It also activates the sirens connected to the system.

mute fire alarm

Mutes interconnected fire detectors alarms.

Learn more >

off

The button is disabled.

Control

codes

Pass cards

Tag key fobs

The functionality of the cards/key fobs is the same, but they differ in design.

Learn more about Pass >

Learn more about Tag >

Access via DESFire®

EV1, EV2

The technology is based on the ISO 14443 international standard and combines 128-bit encryption and copy protection.

Access codes

up to 200 personal codes

One code per each user. The number of personal access codes depends on the hub model.

1 keypad code

One code per KeyPad Plus

Duress codes

up to 200 personal codes

One code per each user. The number of personal duress codes depends on the hub model.

1 keypad code

One code per KeyPad Plus.

Codes for unregistered people

up to 99 personal codes

For people who are not registered in the system. The number of such codes depends on the hub model.

Group security management

Enter the general keypad code and the group ID to manage group security.

Recommendations

The device is designed for indoor use only.

Sabotage protection

Protection against code guessing

KeyPad Plus locks for 3-180 minutes if an incorrect code is entered more than 3 times in a row within 1 minute. The lock time is adjusted by PRO or user with admin rights in the Ajax app

Tamper alarm

Notifications on attempts to detach the keypad from the surface or remove it from the mounting panel.

[Learn more](#) >

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings.

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Power supply

Batteries

4 × AA

Pre-installed.

Type

Type C

Calculated battery life

up to 3.5 years

Keypad's operating voltage range

2.25–3.3 V_{DC}

Keypad's nominal operating voltage

3 V_{DC}

Quiescent keypad's current consumption at nominal voltage

0.064 mA

Maximum keypad's current consumption at nominal voltage

165 mA

Full battery capacity

12,000 mAh

Low battery voltage

2.5 V_{DC}

Low battery recovery voltage

2.7 V_{DC}

End-of-life battery voltage

2.25 V⁼⁼

Device is switched off.

End-of-life battery capacity

500 mAh

Manufacturer

Huiderui

Energizer

Enclosure

Dimensions

165 × 113 × 20 mm

Weight

267 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%



Colours

Black



White



Complete set

KeyPad Plus Jeweller

SmartBracket mounting panel

4 AA batteries (pre-installed)

Installation kit

Quick start guide

Certification and compliance with standards



KeyPad Plus Jeweller



Additional information

Compliance with standards

[Learn more >](#)

User manual

[Learn more >](#)

Warranty

24 months

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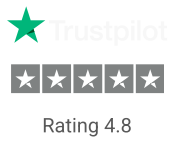
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4,500,000
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💡 Suggest a feature

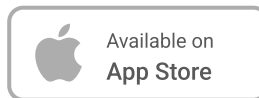


Products

- Intrusion protection
- Video surveillance
- Fire and life safety
- Comfort and automation
- All products
- Services
- System integrations
- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

Software

- Ajax Security System
- Ajax PRO: Tool for Engineers
- Ajax Desktop
- Ajax PRO Desktop
- Ajax TV
- Ajax Translator PRO
- Ajax Cloud Signaling
- Scenarios



Solutions

- Customer stories

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