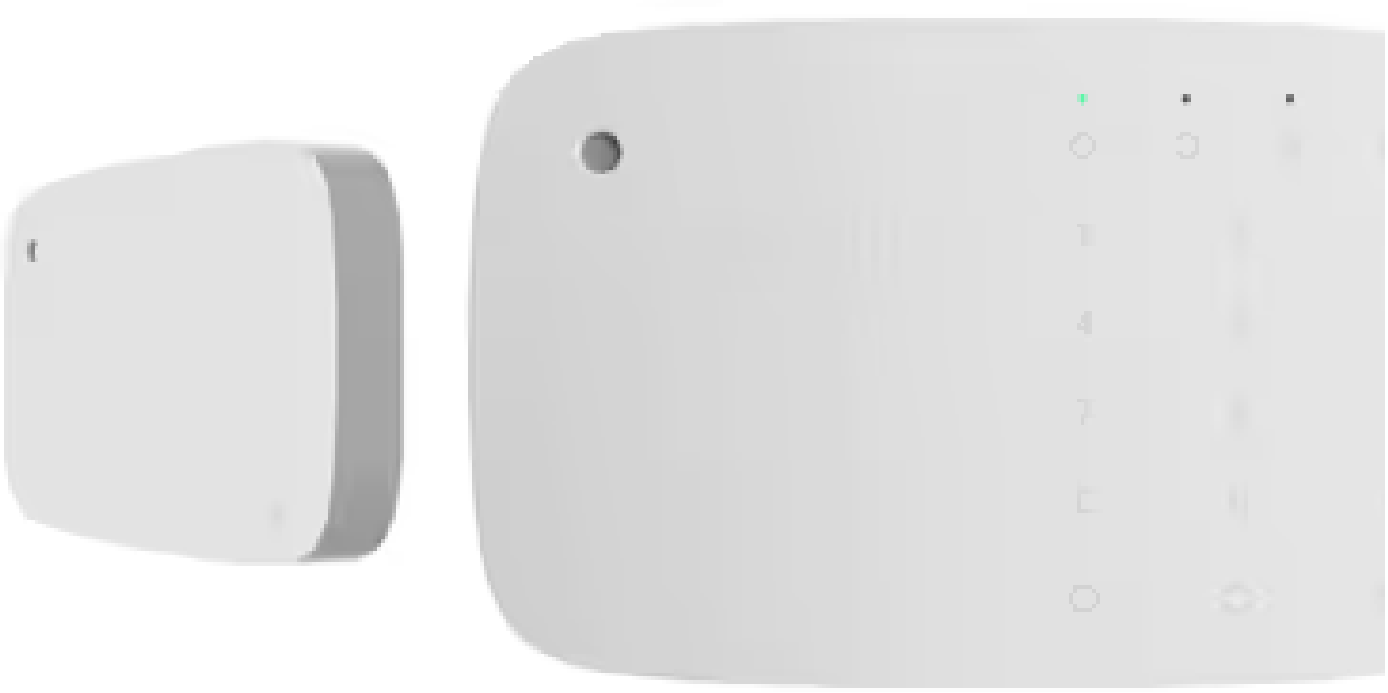
KeyPad Combi Jeweller

Wireless keypad with touch buttons and built-in buzzer. Supports authentication via Pass, Tag, and codes



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.

Learn more ›

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 device 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

LED

sound

When KeyPad Combi is active, it notifies with an LED and sound 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 Ajax 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.

Authorization confirmation

with a code

When the option is enabled, the system authorization using access devices requires confirmation of the action with the user or keypad code.

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 Combi.

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 Combi.

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.

RRU codes

up to 99 personal codes

For the rapid response units (RRU) activated after the alarm and valid for a specified period. 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.

Alarms in group mode

Select one or all groups to which the keypad is assigned. When assigned to a group, the keypad and its indication are related to alarms and events of this group.

Easy armed mode change

When this option is active, changing the security mode with Tag or Pass does not require confirmation by pressing the **Arm**, **Disarm,** or **Night Mode** button. The security mode automatically changes to the opposite.

Arming without code

The option allows you to arm the system without entering a code. To do this, just click on the **Arm** or **Night mode** button.

Alarm volume

from 81 to 105 dB at a distance of 1 m

Adjusted by PRO or user with admin rights in the Ajax app.

Buttons volume

when pressed

Adjusted by PRO or user with admin rights in the Ajax app.

Alarm duration

from 3 s to 3 min

Adjusted by PRO or user with admin rights in the Ajax app.

Siren sound frequency

3.4 ± 0.5 kHz

Events indication

- Alarms.
- Delays when entering/leaving.
- Security mode.
- Security mode changing.
- After-alarm indication.

Chime

The siren makes a special sound to notify that the opening detectors are triggered when the system is disarmed.

Learn more ›

Recommendations

The device is designed for indoor use only.

Sabotage protection

Protection against code guessing

KeyPad Combi 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.

Learn more ›

Power supply

Batteries

4 × CR123A

Pre-installed.

Type

Type C.

Calculated battery life

up to 3.5 years

Keypad's operating voltage range

2.05–3.3 V⎓

Keypad's nominal operating voltage

3 V⎓

Quiescent keypad's current consumption at nominal voltage

0.081 mA

Maximum keypad's current consumption at nominal voltage

164 mA

Full battery capacity

5,450 mAh

Low battery voltage

2.25 V⎓

Low battery recovery voltage

2.5 V⎓

End-of-life battery voltage

2.05 V⎓

Device is switched off.

Manufacturer

Huiderui

Enclosure

Dimensions

182 × 115 × 26 mm



Weight

275 g

Operating temperature range

from -10°C to +40°C



Operating humidity

up to 75%

Colors

Black



White



Complete set

KeyPad Combi Jeweller

SmartBracket mounting panel

4 CR123A batteries (pre-installed)

Installation kit

Quick start guide