

KeyPad TouchScreen Jeweller

Wireless keypad with touch screen and contactless authorization

Compatibility	<p>Control panels Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G)</p> <p>Range extenders ReX 2</p>
Communication	<p>Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced sabotage protection.• Block encryption featuring a dynamic key.• Instant notifications.• Remote configuration in the Ajax apps. <p>Frequency bands 868.0–868.6 MHz</p> <p>Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and noise interference.</p> <p>Radio signal modulation GFSK</p> <p>Radio signal range up to 1,700 m up to 5,500 ft Between keypad and hub (or range extender) in an open space.</p> <p>Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key.</p>

	<p>Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.</p> <p>Wings communication technology Proprietary wireless communication technology for transmitting the list of the groups, rooms and detectors to form the list of malfunctions.</p> <p>Key features:</p> <ul style="list-style-type: none"> • Two-way communication. • Block encryption featuring a dynamic key. • Advanced sabotage protection. • Reloading the data packages in case of transmission errors. <p>Frequency bands 868.0–868.6 MHz</p> <p>Radio signal range up to 1,700 m up to 5,600 ft Between keypad and hub (or range extender) in an open space.</p> <p>Encrypted communication All stored and transmitted data are protected by block encryption with a dynamic key.</p> <p>Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.</p>
Display	<p>Diagonal 5"</p> <p>Matrix type IPS</p> <p>Resolution 480 × 854 px</p> <p>Sensor capacitive</p> <p>Brightness settings</p> <ul style="list-style-type: none"> • automatic • manual

	<p>If Auto Adjust is enabled, the display brightness depends on the light conditions. This saves battery power.</p> <p>Backlight lifetime 30,000 hours Guaranteed backlight lifetime when the Always Active Display toggle is enabled. It can be adjusted in Ajax apps and activates only when external power is connected.</p> <p>User interface</p> <ul style="list-style-type: none"> • dark • light
Key features	<p>Panic buttons</p> <ul style="list-style-type: none"> • panic • fire • auxiliary help <p>Sending an alarm or calling for help from the separate keypad tab.</p> <p>Control</p> <ul style="list-style-type: none"> • codes • Tag key fobs • Pass cards • smartphone (Bluetooth) <p>Contactless access DESFire® EV1, EV2 ISO14443-A (13.56 MHz)</p> <p>Access codes up to 200 personal codes One code per each user. The number of personal access codes depends on the hub model.</p> <p>1 keypad code Per each KeyPad TouchScreen.</p> <p>Duress codes up to 200 personal codes One code per each user. The number of personal duress codes depends on the hub model.</p> <p>1 keypad code Per each KeyPad TouchScreen.</p>

Codes for unregistered people

up to 99 personal codes

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

Arming without entering a code

The enabled feature allows the user to arm the system without entering a code or presenting the access device.

Group management

Changing the security mode of the groups to which the user has access from the keypad's display.

Scenarios management

A separate keypad tab contains up to 6 buttons, and each one can control one automation device or a group of devices.

Indication of malfunctions and security mode

- display
- logo
- sound indication

If enabled, the logo lights up red continuously or when the system or group is armed. KeyPad TouchScreen indication is shown on the display only when it is active. Built-in buzzer notifies about alarms, door openings and entry/exit delays.

Fire alarm muting

Turns off the fire detectors alarm, including the interconnected alarm.

User pre-authorization

When the feature is enabled, viewing the current system status and control screen is unavailable. For access, the user must pre-authorize: enter a code or present a personal access device to the keypad.

Contactless authorization with a smartphone

A smartphone with the installed Ajax app and Bluetooth Low Energy (BLE) support can be used instead of Tag or Pass to authorize a user. BLE is a radio protocol with low power consumption. The keypad supports Android and iOS smartphones with BLE 4.2 and higher.

	<p>Auto screen wakeup The keypad wakes up automatically when approaching it. The approaching distance can be adjusted in the app.</p>
Recommendations	The device is designed for indoor use only
Sabotage protection	<p>Unauthorized access auto-lock The keypad locks if an incorrect code is entered or unverified access devices are used 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.</p> <p>Tamper alarm Notifications on attempts to detach the keypad from the surface or remove it from the mounting panel.</p> <p>Holding screw To secure the keypad on SmartBracket.</p> <p>Protection against spoofing device authentication</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p>
Power supply	<p>Batteries 6 × AA Pre-installed.</p> <p>Calculated battery life up to 1.5 years With default settings and up to 4 interactions with a keypad per day.</p> <p>Keypad's operating voltage range 10.5–14 V_{DC}, up to 0.4 A The batteries serve as a backup when the external power supply is connected.</p> <p>Keypad's nominal operating voltage 12 V_{DC}</p>
Enclosure	<p>Dimensions 172 × 82 × 26 mm 6.77" × 3.23" × 1.02"</p> <p>Weight</p>

	<p>327 g 11.54 oz</p> <p>Operating temperature range from -10°C to +40°C from 14°F to 104°F</p> <p>Operating humidity up to 75%</p>
Colours	<p>Black White</p>
Complete set	<p>KeyPad TouchScreen SmartBracket mounting panel 6 AA batteries (pre-installed) Installation kit Quick start guide</p>
Warranty	<p>24 months</p>