ManualCallPoint Jeweller

Wireless resettable button featuring programmable scenario

Product versions

ManualCallPoint (Blue) Jeweller Wireless resettable button featuring programmable scenarios. Blue-colored version.	**ManualCallPoint (Green) Jeweller** Wireless resettable button featuring programmable scenarios. Green-colored version.
ManualCallPoint (Yellow) Jeweller Wireless resettable button featuring programmable scenarios. Yellow-colored version.	**ManualCallPoint (White) Jeweller** Wireless resettable button featuring programmable scenarios. White-colored version.

Lightning-fast commands at critical moments

In a life-endangering situation, pressing ManualCallPoint triggers automation scenarios. Ajax's innovative features follow the command in a second: scenarios de-energize the facility, unlock the exits, or turn on the ventilation or emergency lights. The button can also activate the intrusion sirens and buzzers of all fire detectors in the system to inform users about evacuation. All the data is instantly available in Ajax apps and CMS: which button was pressed, when, and where. Once the danger has passed, ManualCallPoint must be reset by a key (included in the complete set).

Key features

Automation scenarios Activate emergency lights Control ventilation system Open electric locks De-energize the facility	Fire alarm activation Alarm delivery to CMS	Informative push notifications House: fire alarm activated through the manual call point Floor 1 in Hall House: manual call point Floor 1 in Hall restored after fire alarm	Resilient button mechanism with minimum agile components to reduce the risk of failure
Jeweller radio communication Power adjustment Frequency hopping Encryption TDMA Two-way communication	Fire alarm remains active until the button is manually released using the key	Securing the device on SmartBracket with the lock	Fire detectors' buzzers activation when pressing the button
Four colors same features	Up to 1,700 m range of communication with an Ajax hub	Up to 7 years of battery life	SmartBracket mounting panel featuring tamper alarm
		Remote control and configuration	Transparent front lid to prevent accidental button presses

Devices compatibility

Hub Plus **Hub 2 (2G)** **Hub 2 (4G)** **Hub 2 Plus** **Hub Hybrid (2G)** **Hub Hybrid (4G)**	**ReX** **ReX 2**

Complementary to any interior

Educational institution	Business center	Industrial premises	Public space

Automate every safety measure

In Scenario Trigger mode, ManualCallPoint performs simple tasks like opening an electric lock or powering off an appliance, as well as orchestrating a complex chain of actions involving dozens of relays, smart sockets, and switches. The configuration of automation scenarios is managed in Ajax apps, all plain and intuitive.

- Performs any programmable action regardless of enclosure color
- Automation scenarios configuration in Ajax apps
- Activation of one or many actions at once with one press

A part of an advanced fire alarm system

In Fire Alarm mode, pressing ManualCallPoint activates the built-in sirens of all fire detectors in the system. Additionally, the button can also activate intrusion sirens. An alarm is instantly sent to users and the central monitoring station (CMS).

As part of the Ajax ecosystem, ManualCallPoint interacts with automation devices, cameras, and MotionCam (PhOD) detectors to speed up evacuation and ease firefighters' access to the building. In case of a fire alarm, **WallSwitch Jeweller** de-energizes the facility, and **Relay Jeweller** activates emergency lights and exits. In a matter of seconds, Ajax apps receive visual verification to identify the cause of the fire.

- Activating fire detectors' buzzers
- Triggering security system's sirens
- Running automation scenarios
- Critical notifications in Ajax apps
- Visual verification to identify what caused a fire
- Alarm delivery to CMS

Simplified yet flawless hardware

ManualCallPoint has a thoughtful and reliable button-press mechanism. A minor failure can be crucial in a critical situation, so the mechanism is simplified to several solid parts. Thus, the button cannot get stuck or fail to activate physically, and the possibility of failure in moments of emergency is reduced.

The button is designed for more than 500 presses throughout its lifecycle. If the button has triggered once, it will reliably continue to do so. Ajax rigorously tests 100% of the production during manufacturing. If the button passes testing upon installation, it will definitely raise an alarm when needed.

- Mechanism with reduced failure risk
- Designed for 500+ presses
- Automatic self-diagnosis of each device

Advanced system supervision

ManualCallPoint is a part of the Ajax ecosystem, transforming the button into a genuine IoT device. Each element of the ecosystem is constantly supervised. The button exchanges data with a hub via Jeweller radio protocol. The hub has two-way communication with Ajax Cloud which provides real-time information to Ajax apps.

The device does not require periodic testing by triggering to ensure it operates properly — the Ajax system supervises its state every minute. The enclosure has a tamper to notify the security company and users if someone tries to dismantle ManualCallPoint from the mounting panel. And if a button has a malfunction, you will receive a notification specifying the problematic device on the premises.

- IoT device
- 12 s of a minimum polling interval
- Instant maintenance notifications
- Tamper alarm

Stable performance for years

The button combines seamless wireless connectivity, data-rich notifications, and supervision capabilities with outstanding longevity. The device operates for up to 7 years on the included batteries. When the time comes, the Ajax system will notify you in advance about the need for battery replacement.
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- Up to 7 years of battery life
- Low battery warning

Precise facility observation

Data-rich notifications	Detailed event log
Ajax apps instantly notify about any event in the system and support critical alerts. Security companies and users know exactly which device triggered, when and where it happened. The system controls each device state and reports if there is a malfunction or if it's time to replace the batteries.	The event log records 500 recent events within the system. The data is explicit with the device, time, and event description. It helps reconstruct the actual event and find the causes to obtain comprehensive information for firefighters or an insurance company.

Monitoring with PRO Desktop

A building administrator can monitor not only security but also buttons and automation devices. The status, event log, and battery data — a CMS operator gets the whole picture in one intuitive interface, all informative and centralized. An installer can remotely change the settings and provide services in time.

Jeweller

Unique wireless technology

The Ajax system uses two-way secure radio communication based on the Jeweller proprietary protocol. It supports block cipher encryption and device authentication on every session with the hub to prevent sabotage, spoofing, or data theft.

The protocol uses polling to display current device statuses and transmits alarms, events, and all the readings into the Ajax apps. It supports block cipher encryption and device authentication on every session with the hub to prevent sabotage, spoofing, or data theft.

- Up to 1,700 m of radio communication with a hub
- Encrypted two-way radio communication
- Notifications about jamming and connection loss

Scaled and comprehensive

For complex radio signal conditions, the ReX Jeweller range extender boosts the range of all Ajax devices and manages their communication with the hub via Jeweller. And ReX 2 Jeweller assures stable communication even through steel and concrete via Ethernet using the wire as the additional communication channel. Up to 5 range extenders can operate within one Ajax system to expand the network twice as big, covering multistorey buildings with underground parking and basements.

- Up to 5 range extenders within one system
- Ethernet as an alternative communication channel

- Big estate and large facilities
- Business center with underground parking

Effortless installation and maintenance

ManualCallPoint is ready to go straight out of the box. There is no need to disassemble the button during installation. The Ajax apps are designed to include the device in a system in a few clicks. Later, an installer can change the settings remotely — no need to make unnecessary trips. The button does not require regular manual testing: a self-test system automatically reports the device state to the hub. After activation, the button must be manually released using the key (included in the complete set).

Connection	Installation	Setup	Maintenance

Pairing with the hub via QR code	SmartBracket panel — no need to disassemble the enclosure	Configuring and testing through mobile and desktop apps	The button does not require regular manual testing; to reset the button after activation, use a key tool (included in the complete set)