DoubleButton Jeweller

Wireless hold-up device

Communication

Jeweller communication technology

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

Key features:

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

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 noise interference.

Radio signal modulation   GFSK

Radio signal range   up to 1,300 m

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

Frequency hopping

Radio communication uses frequency hopping to prevent interception and jamming.

Key features

Number of buttons   2

Accidental press protection

both buttons pressing
protective plastic divider

Alarm confirmation

with one DoubleButton or several

To raise a confirmed alarm (hold-up event), you need to perform the selected action.

LED backlight indicating command delivery

The LED brightness is adjusted in Ajax apps.

Alarm scenario

by the DoubleButton pressing

The control mode for automation devices is not supported.

Recommendations

Use Holder to fix DoubleButton Jeweller on surfaces.

Battery   1 × CR2032
Pre-installed.

Calculated battery life   up to 5 years

Device's operating voltage range   1.8−3.3 V⎓

Device's nominal operating voltage   3 V⎓

**Quiescent device's current
consumption at nominal voltage**   0.54 µA

Maximum device's current consumption at nominal voltage	34.8 mA
Full battery capacity	235 mAh
Low battery voltage	2.2 V⎓
Low battery recovery voltage	2.3 V⎓
End-of-life battery voltage	1.8 V⎓ Device is switched off.
End-of-life battery capacity	40 mAh
Dimensions	47 × 35 × 16 mm
Weight	17 g
Operating temperature range	from −10 °C to +40 °C
Operating humidity	up to 75%
Protection class	IP55