Baseline product line

Curtain Outdoor Jeweller

Wireless dual-technology curtain motion detector for outdoor and indoor use



2 GRADE EN 50131

IP55

Advanced detection

- Two PIR and one microwave sensors
- Motion detection range adjusted with a slider at the device enclosure
- Vertical viewing angle: 85° without blind spots under the detector[1]
- Horizontal viewing angle: 8°

False alarm prevention

- PIR sensors alarm verification with a K-band microwave sensor
- Three sensitivity levels: selectable in the app
- SmartDetect algorithm and dual motion detection technology to prevent false alarms
- Temperature compensation for effective motion detection at temperatures from −25 °C to +60 °C (from −13 °F to 140 °F)

Smart features

- Installing the detector perpendicular or parallel to the surface with SmartBracket or angle mount
- Pet immunity: the device ignores pets below 100 cm (3.3 ft) in height

Jeweller and Wings

wireless communication

- Wireless communication range of up to 1,700 m (5,550 ft)
- Block cipher encryption for advanced data protection
- Regular polling to check the current state of the device
- Frequency hopping to prevent interception and jamming

Sabotage protection

- Anti-masking system that meets the Grade 2 requirements2
- Tamper alarm and a built-in accelerometer to notify of an attempt to dismantle the device
- Protection against spoofing with device authentication
- Holding screw to secure the detector on SmartBracket or on Hood

Hassle-free installation and configuration

- Pairing with the hub by scanning the QR code
- Remote control and configuration in Ajax apps
- Calculated battery life of up to 3 years
- No need to disassemble the enclosure during the installation
- Bundled hood to protect from rain and snow

Superior, Fibra, and **Baseline** product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

Compliance with standards

EN 50131 (Grade 2)

Compatibility

Hubs
Hub 2 (2G) Jeweller
Hub 2 (4G) Jeweller
Hub 2 Plus Jeweller
Hub Hybrid (2G)
Hub Hybrid (4G)

Range extenders
ReX 2 Jeweller

Communication with a hub

Jeweller communication technology

Wings communication technology

Communication range
up to 1,700 m
up to 5,550 ft
In an open space

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

Detection

Motion detection distance
up to 8–12 m
when installed at a height of 1–2.4 m
up to 26–39 ft
when installed at a height of 3.3–7.9 ft

Motion detection angles
vertical: 85°
when installed at a height of 2.4 m (7.9 ft)
vertical: 15°
when Pet immune mode is active
horizontal: 8°

Motion detection speed
from 0.3 to 2.0 m/s
from 1 to 6.6 ft/s
The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.

Power supply

Battery
2 × CR123A
(pre-installed)

Calculated battery life
up to 3 years

Enclosure

Color
white

Dimensions
141 × 60 × 72 mm
5.55" × 2.36" × 2.83"
(without angle mount)
141 × 76 × 84 mm
5.55" × 2.99" × 3.31"
(with angle mount)

Weight
223 g
7.87 oz
(without angle mount)
257 g
9.07 oz
(with angle mount)

Installation

Operating temperature range
from –25 °C to +60 °C
from –13 °F to 140 °F

Operating humidity
up to 95%

Protection class
IP55

Installation height
2.4 m (7.9 ft)
1 m (3.3 ft) when the Pet immunity mode is enabled

Complete set

Curtain Outdoor Jeweller
SmartBracket mounting panel
Hood
2 × CR123A battery
(pre-installed)
Angle mount
Installation kit
Quick start guide

[1] 15° when Pet immune detection mode is active.

[2] The device detects masking of PIR sensors only. It does not recognize masking of the microwave sensor.

For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/curtain-outdoor-jeweller/

support@ajax.systems
@AjaxSystemsSupport_Bot
ajax.systems