Tech specs

SUPERIOR

Superior MotionProtect Plus G3 Fibra

Wired IR motion detector with an additional K-band microwave sensor and anti-masking system

Device compatibility

Check

Communication

Fibra communication technology

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

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Instant notifications.
- Remote control and configuration in Ajax apps.

Learn more

Line connection

4-core cable

Connection

to any point of the Fibra line

The device can be installed behind the hub, detector, keypad, or siren.

Fibra line length

up to 2,000 m

When using the U/UTP cat.5 twisted pair cable.

Calculate the line length at the facility

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

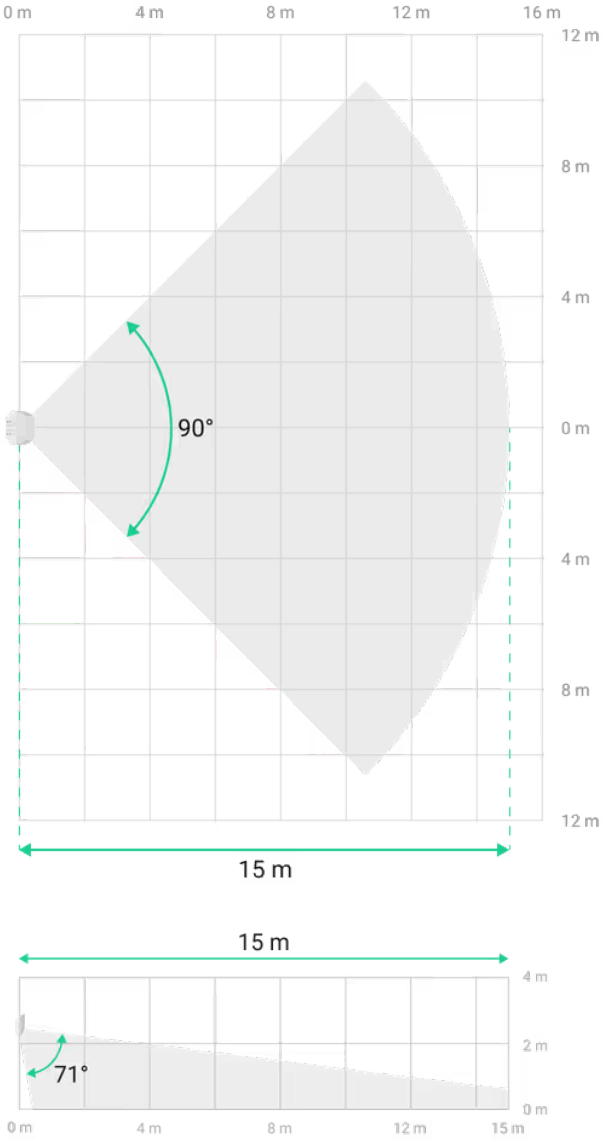
Detection

Sensitive elements

1 × PIR sensor

1 × K-band microwave sensor

Operating frequency: 24 GHz.



Motion detection distance

up to 15 m

When installed at a height of 2.4 m.

Reduced blind zone

up to 0.5 m

Detects a crawling person at a distance of 50 cm from the detector.

Motion detection angles

horizontal: 90°

vertical: 71°

Motion detection speed

from 0.1 to 4.0 m/s

The direction of the detector sensors should be perpendicular to an alleged intrusion path into the facility.

False alarm prevention

- Dual motion detection technology
- SmartDetect

Software algorithm.

Temperature compensation

Effective motion detection at temperatures from −10 °C to +40 °C.

Learn more

Self-test of sensitive elements

The device checks its sensors’ state and notifies if any malfunction is detected.

Recommendations

It is recommended to install the detector at a height of 2.4 m.

The **pet immunity** feature is not available for this device.

The device is designed for indoor use only.

Sabotage protection

Tamper alarm

3 tampers

Notifications on attempts to detach the detector from the surface or unlock the SmartBracket lock and remove the detector from the mounting panel.

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Protection against spoofing

device authentication

Anti-masking system

detects attempts to block the detector view

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Lock for SmartBracket

To secure the detector on SmartBracket.

Communication loss detection

after 36 s

Detection time depends on the Jeweller/Fibra settings.

Power supply

Fibra line

7–30 V⎓, up to 90 mW

The hub powers the detector.

Enclosure

Dimensions

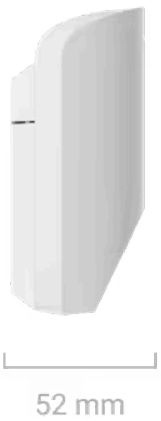
120 × 62 × 52 mm

Weight

156 g

Operating temperature range

from −10 °C to +40 °C



Operating humidity

up to 75%

Protection class

IP30

Colors

White

Complete set

Superior MotionProtect Plus G3 Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards

Superior MotionProtect Plus G3 Fibra

Additional information

Compliance with standards

Learn more

User manual

Learn more

Warranty

24 months

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