

# Superior MotionProtect Plus Fibra

Wired PIR motion detector with an additional K-band microwave sensor

This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.



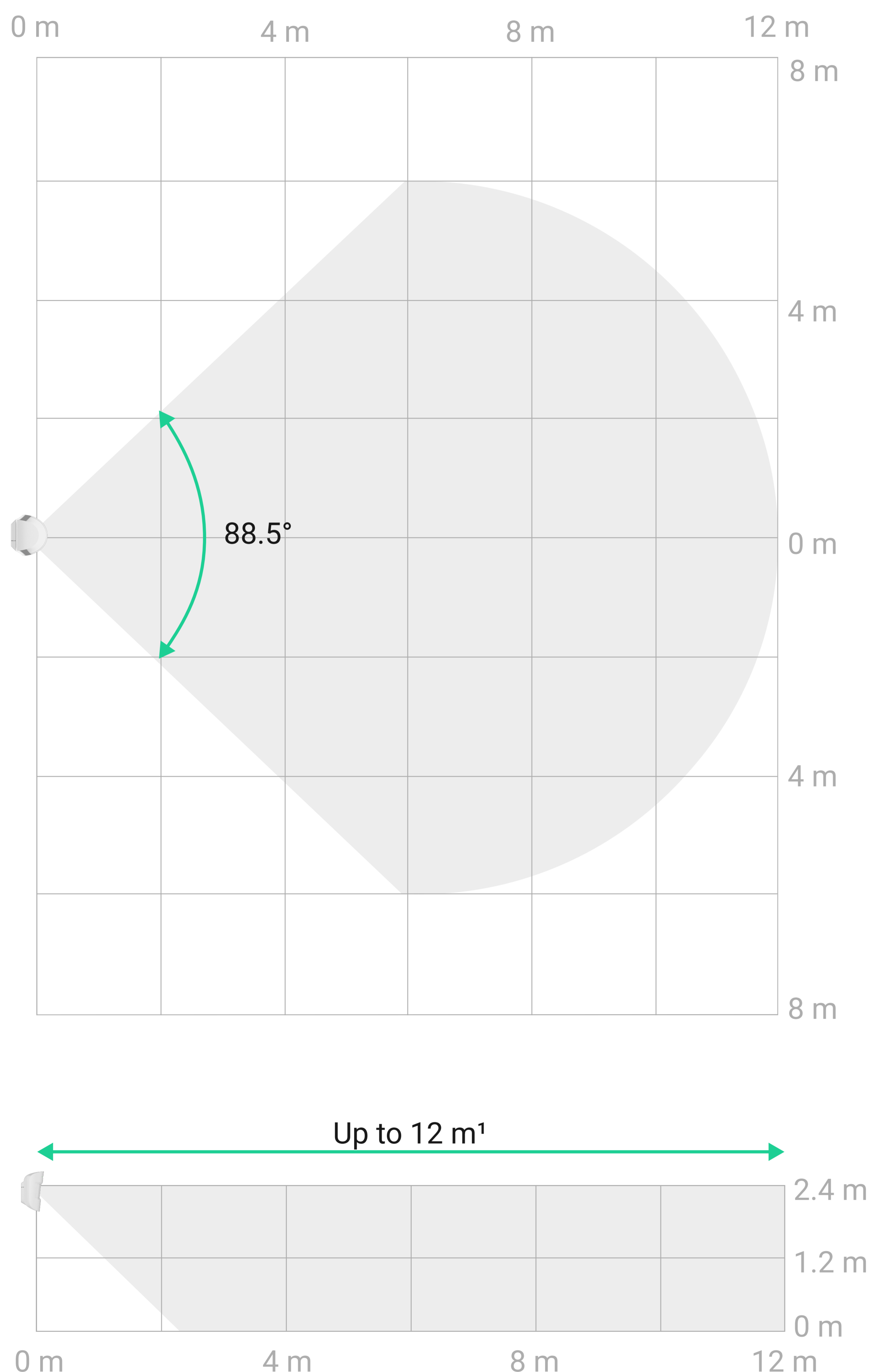
2  
GRADE  
EN 50131

PD 6662  
2017

INCERT

SSF

NFA2P



## Enhanced motion detection

- Two built-in sensors: PIR sensor and K-band microwave sensor
- Motion detection<sup>1</sup> distance: up to 12 m (39 ft)
- Horizontal motion detection angle: 88.5°
- Temperature compensation: -10 °C to +40 °C (14 °F to 104 °F) for effective motion detection

## False alarm prevention

- Dual motion detection technology: the device is triggered only when both sensors detect motion
- Three sensitivity levels configurable via Ajax apps
- SmartDetect algorithm to prevent false alarms
- Pet immunity to ignore pets weighing up to 20 kg (44 lb) and below 50 cm (1.6 ft) in height

## Fibra communication technology

- Up to 2,000 m (6,550 ft) of secure two-way wired communication
- Data encryption throughout the transmission
- Regular polling to display the current device state
- One line for different types of devices

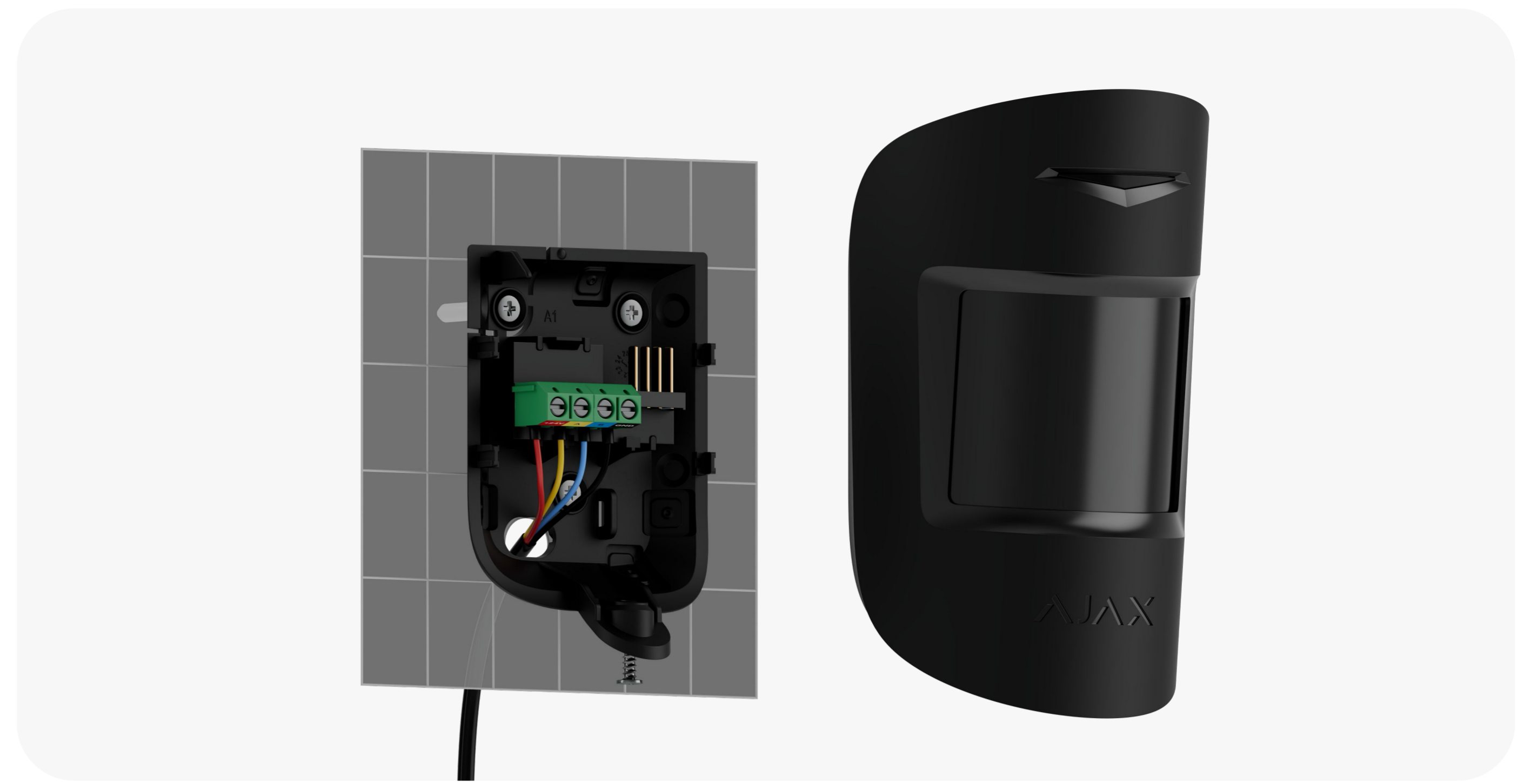
## Sabotage protection


- Tamper alarm to notify users of device dismantling
- Fixing point to attach the SmartBracket mounting panel with a screw
- Device authentication to prevent spoofing
- Connection loss detection



## Quick installation and setup

- Adding to the hub via automatic line scanning or QR code
- Remote control and configuration in Ajax apps
- Installation and replacement without enclosure disassembly
- Removable terminal board
- Installation kit with all necessary fasteners



<p><b>Compliance with standards</b></p> <p>EN 50131 (Grade 2) PD 6662:2017 INCERT SSF NFA2P</p>	<p><b>Compatibility with hubs</b></p> <p>For detailed information, scan the QR code or follow the link:</p>  <p><a href="https://ajax.systems/tools/devices-compatibility/?models=MP.P.F">ajax.systems/tools/devices-compatibility/?models=MP.P.F</a></p>	<p><b>Communication with a hub</b></p> <p>Fibra communication technology</p> <p><b>Wired connection</b> U/UTP cat.5 4x2x0.51 mm (24 AWG) cable, copper conductor 4x0.22 mm<sup>2</sup> signal cable, copper conductor</p> <p><b>Communication range</b> up to 2,000 m up to 6,550 ft With U/UTP cat.5 4x2x0.51 mm (24 AWG) cable</p>	<p><b>Motion detection</b></p> <p><b>Sensitive element</b> 1 × PIR sensor 1 × K-band microwave sensor</p> <p><b>Motion detection range<sup>1</sup></b> up to 12 m up to 39 ft</p> <p><b>Motion detection angle</b> horizontal: 88.5°</p> <p><b>Sensitivity</b> 3 levels Adjusted by a PRO or a user with admin rights in an Ajax app</p> <p><b>Pet immunity</b> weight: up to 20 kg (44 lb) height: up to 50 cm (1.6 ft)</p> <p><b>SmartDetect</b> Software algorithm for preventing false alarms</p>
<p><b>Power supply</b></p> <p><b>Main power supply</b> 5–30 V<sup>==</sup>, up to 187 mW The device is powered by the hub or Superior LineSupply Fibra</p>	<p><b>Installation</b></p> <p><b>Operating temperature</b> –10 °C to +40 °C 14 °F to 104 °F</p> <p><b>Operating humidity</b> up to 75%</p>	<p><b>Enclosure</b></p> <p><b>Color</b> white, black</p> <p><b>Dimensions</b> 110 × 67 × 62 mm 4.33" × 2.63" × 2.44"</p> <p><b>Weight (device in black)</b> 86 g 3.03 oz</p> <p><b>Weight (device in white)</b> 98 g 3.46 oz</p> <p><b>Protection class</b> IP50</p>	<p><b>Complete set</b></p> <p>Superior MotionProtect Plus Fibra SmartBracket mounting panel Installation kit Quick start guide</p>

<sup>1</sup> INCERT certification requires a detection range of up to 10 m (33 ft) at high sensitivity.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/superior-motionprotect-plus-fibra/](https://ajax.systems/support/devices/superior-motionprotect-plus-fibra/)

- ✉ support@ajax.systems
- 📍 @AjaxSystemsSupport\_Bot
- 🌐 ajax.systems