

# CombiProtect

Wireless combined motion and glass break detector. The device helps to secure the room from intruders entering through doors and windows, and monitors the current state of the glass.

- Authentication to prevent forgery
- Jamming detection and communication channels encryption
- Tampering alarm

|                                                    |                                                                         |                                                                      |
|----------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|
| Operates up to 5 years without battery replacement | Ignores cats and dogs with weight of up to 20 kg and height up to 50 cm | Detects motion at a distance of up to 12 m and breakage at up to 9 m |
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## Principle of operation

The device combines the functions of two detectors — motion detector and glass break detector. It detects motion in the room at a distance of up to 12 m and registers broken glass at a distance of up to 9 m from the window.

## Features

The device detects motion even in hot climates by means of temperature compensation. It filters false alarms caused by thunder, dogs barking or the sound of passing trucks.

## Installation and set up

Ready to operate straight out the box: the battery is already installed, therefore there is no need to disassemble the detector. With one click, it can be connected to the hub in the mobile application. It can be mounted on the SmartBracket in just a few minutes.

## Tech specs

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Classification             | Electro-optical combined radio channel security detector         |
| Type of detector           | Wireless                                                         |
| Installation method        | Indoors                                                          |
| Compatibility              | Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge |
| Sensing element            | PIR sensor, electret microphone                                  |
| Alarm signal delivery time | 0.15 s                                                           |

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| Motion detection distance       | Up to 12 m                                                                                                                                                                                                                                                                                  |
| Detection angles                | Horizontal — 88.5°<br>Vertical — 80°                                                                                                                                                                                                                                                        |
| Recommended installation height | 2.4 m                                                                                                                                                                                                                                                                                       |
| Pet immunity                    | Weight — up to 20 kg<br>Height — up to 50 cm                                                                                                                                                                                                                                                |
| Break detection distance        | Up to 9 m                                                                                                                                                                                                                                                                                   |
| Detection angle                 | 180°                                                                                                                                                                                                                                                                                        |
| Sensitivity                     | Adjustable, 3 levels                                                                                                                                                                                                                                                                        |
| Power supply                    | Battery: CR123A battery<br>Power supply voltage: 3 V<br>Battery life — up to 5 years                                                                                                                                                                                                        |
| Jeweller radio technology       | Communication range with central unit — up to 1,200 m in an open space<br>Two-way communication between devices<br>Operating frequencies — 868.0-868.6 MHz<br>Self-adjusting RF output power — up to 20 mW<br>Block encryption based on AES algorithm<br>Detector polling period — 12–300 s |
| Temperature sensor              | Available                                                                                                                                                                                                                                                                                   |
| Operating temperature range     | From -10°C to +40°C                                                                                                                                                                                                                                                                         |
| Permissible humidity            | Up to 75%                                                                                                                                                                                                                                                                                   |
| Anti-sabotage                   | Protection against fraud<br>Jamming detection<br>Tamper-resistant                                                                                                                                                                                                                           |
| Remote setting and testing      | +                                                                                                                                                                                                                                                                                           |
| Dimensions                      | 110x65x50 mm                                                                                                                                                                                                                                                                                |
| Weight                          | 92 g                                                                                                                                                                                                                                                                                        |
| Certification                   | Grade 2, CE                                                                                                                                                                                                                                                                                 |
| Warranty                        | Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.                                                                                                                                                                                      |
| Complete set                    | CombiProtect combined motion and glass break detector<br>SmartBracket mounting panel<br>CR123A battery (pre-installed)<br>Installation set<br>User's guide                                                                                                                                  |