

SecureX MotionEye Pro

Installation Manual

Modell: SXS-MOTIONEYE-PRO

Version: v2.0

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1. Product Overview

SecureX MotionEye Pro is a wireless PIR motion sensor with LoRa 868 MHz communication.

The sensor is used to monitor indoor environments and detect human movement.

Upon detection, an alarm is immediately sent to the SecureX hub and forwarded to the Stonehouse Smart app.

The device is intended for indoor use.

2. Technical Specifications

Power supply: 2 × AA Li-Fe 3400 mAh (included).

Communication: LoRa 868 MHz.

Radio range: Up to 500 m (line of sight).

Detection angle: 110°.

Detection range: Up to 7 meters.

Recommended mounting height: 2–2.5 meters.

Temperature range: –10 °C to +50 °C.

3. PIR Technology and Function

MotionEye Pro uses passive infrared technology (PIR).

The sensor reacts to rapid temperature changes within the detection area.

It detects the difference between body heat and background temperature.

It does not react to movement through glass.

Fans, AC units, heaters, fireplaces, and direct sunlight may cause false alarms if the sensor is incorrectly positioned.

IMPORTANT: PIR sensors react to temperature changes. Incorrect orientation is the most common cause of false alarms.

4. Placement

Mount the sensor 2–2.5 meters above the floor.

Preferably place in a corner for maximum coverage.

Aim the sensor across walkways for optimal detection.

Do not aim the sensor directly at windows or glass surfaces.

Avoid direct sunlight.

Avoid placement near ventilation outlets, fans, AC units, or heat sources.

Do not install outdoors.

5. Installation

1. Fäst väggfästet med skruv och plugg.
2. Sätt i batterierna.
3. Klicka fast sensorn i hållaren.
4. Justera vinkeln så att området täcks korrekt.
5. Säkerställ att sensorn inte lutar uppåt mot ljuskällor eller fönster.

6. Pairing with SecureX Hub

1. Sätt hubben i parningsläge.
2. Aktivera sensorn enligt hubbens instruktion.
3. Bekräfta i appen att enheten registreras.
4. Namnge enheten efter placering.

7. Detection Test

Walk across the detection area.

Verify that movement is registered in the app.

Adjust the angle if necessary.

Note that the sensor may enter sleep mode between detections.

8. Power Saving Mode

After activation, the sensor enters sleep mode for approximately 5 minutes to save battery power.

Turn off the LED indicator used for testing the detection area if desired.

During this period, new movement will not be registered.



9. Troubleshooting

No detection: Check placement and pairing.

False alarms: Ensure the sensor is not aimed at heat sources, AC units, or windows.

Short range: Place the sensor closer to the hub and avoid obstacles or metal between the devices, or add SecureX SignalMax.