



Busch-Watchdog PRO 280 ° Motion detector stainless steel



General Information

Extended Product BM/A4.11-136
Type:

Product ID: 2CKA006132A0434

EAN: 4011395319420

4 Channel KNX movement detector for indoor and outdoor area.

For automatic switching of Busch-Installationbus KNX® actuators dependent on movement and brightness.

With 1 twilight / brightness channel with three switching thresholds.

With 1 temperature channel with three switching thresholds.

Remote operation via the Bluetooth and smartphone/tablet app

Up to 10 KNX functions controllable via app.

Programmable status RGB Led. (5 functions)

With high-quality lens for optimum detection.

Level balancing of the device +/- 30°.

Horizontal orientation of the optical system +90°/- 60°.

Vertical orientation of the optical system +30°/- 30°.

With ground and rear-field detection.

Additional possibility for switch-on via push-button object.

The bus can be connected via enclosed terminal block.

Optional: Busch-SmartConnect app for commissioning of basic and add-on parameters: Switch-off time, Brightness Threshold, Continuously on, Continuously off and Test mode

Programming only under connected bus

voltage.

With integrated dismounting protection.
Individual adjustment of detection range via
enclosed protective foil which can be cut to
size.

With brightness-independent test mode for
evaluating the detection zone.
Switch-off delay: 10 sec to 18 hours.

Adjustment of parameters via App: Switch-
on brightness, Switch-off delay, permanent
on, permanent off.
Measurement of outdoor temperature and
ambient brightness level at the device.
Native ETS application required.

With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With 4 movement channels.
Surveillance density: 106sectors with 424
switching segments.
Detection area: frontal: 16 m, lateral: 16 m
Installation height: 2,5 m
Twilight limiting values: 1 - 1.000Lux
Brightness limiting values: 1.000 - 80.000

Sensor angle: 280°
Number of PIR: 4

Bus voltage: 24 V
With integrated KNX bus coupler.
No additional power supply necessary.
Power consumption: 0,3 W
Current: 12mA
Protection class device: IP 55
Temperature range device: -25°C - 55°C
Storage temperature device: -25°C - 70°C

Dimensions (H x W x D): 124mm x 110mm x
158mm

Installation

Mounting Type: Surface Mounted

Mounting Position: Wall
Ceiling

Mounting Height: Optimum 2.5 m

Modular Complete Device

Components**Included:**

Environmental

Ambient Air Temperature: Operation -25 ... +55 °C

Degree of Protection: IP55

Technical

Function: Activating/deactivating twilight switch operation
Adjusting the sensitivity
Brightness sensor
Logic functions
Remote control by Bluetooth
RGB LED
Setting Options by Bluetooth
Temperature sensor
Twilight sensor

Number of Channels: 4

Compatible Bus Systems: KNX (TP)

Product Range: KNX

Transmission Standard: Bluetooth
Twisted Pair Wiring

Minimum Switching Time: Switch-On 10 second [unit of time]

Number of Batteries: 0

Sensor Detection Range: 280 °
Frontal 16 m
Lateral 16 m

Motion Detector Features: Creep-Under Protection
Background Monitoring

Electrical

Rated Current (I_n): 12 mA

Design

Material: Thermoplastic

Color: stainless steel

Dimensions

Product Net Width: 110 mm

Product Net Height: 124.4 mm

Product Net Depth / Length: 157.75 mm

Product Net Weight: 294.3 g

Engineering

Building Information [Busch-Watchdog-Motion-Detector Ceiling-Mounted \(9AKK108470A1777\)](#)

Modeling – BIM: [Busch-Watchdog-Motion-Detector Wall-Mounted \(9AKK108470A1778\)](#)

[Watchdog-Motion-Detector Ceiling-Mounted \(9AKK108470A1779\)](#)

[Watchdog-Motion-Detector Wall-Mounted \(9AKK108470A1780\)](#)

Material Compliance

RoHS Information: [EU-Declaration of conformity \(.PDF\) \[EN\] BM/A4.11-136 \(2CKA100000E5437\)](#)

RoHS Status: Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

REACH Declaration: [All Articles REACH EN 2CKA309999E9999 \(2CKA309999E9999\)](#)

REACH Information: False - does not contain substances > 0.1 mass percentage

REACH Date: 20250218

Conflict Minerals [Conflict Minerals Reporting Template \(9AKK108468A3363\)](#)

**Reporting
Template (CMRT):****WEEE Category:** 5. Small Equipment (No External Dimension More Than 50 cm)**WEEE B2C / B2B:** Business To Consumer

Certificates and Declarations**Declaration of
Conformity - CE:** [EU-Declaration of conformity \(.PDF\) \[EN\] BM/A4.11-136
\(2CKA100000E5437\)](#)

External Classifications and Standards**ETIM 9:** EC001582 - Movement sensor for bus system**ETIM 10:** EC001582 - Movement sensor for bus system**eClass:** V11.0 : 27143144
