

SMARTER HOME

# Busch-Watchdog PRO

The Watchdog. For everyone.



- 5 colours available
- 3D pivot installation
- Ceiling, wall, corner mount
- Bluetooth, wireless ABB-free@home, KNX

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# The Watchdog. For everyone.

## Aspects

Is there such a thing as an ideal design? Yes, if form and function adapt flexibly to reality and everything works in a reliable manner. This is how the new Busch-Watchdog PRO is designed: All the elements put together bring perfection to assembly, function and appearance.



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### Variable design

Square or round? Surface or corner? The surroundings decide which design will do the best job. The new Busch-Watchdog PRO harmoniously blends into the architecture in any situation, with easy installation and efficient operation.





For generations, Busch-Watchdog has been synonymous with first-class quality, unrivalled reliability, and installation convenience. With the new Busch-Watchdog PRO, ABB is now setting even higher standards in commissioning, design flexibility, and ease of installation.





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## Planning

Consistently adapted to any installation situation: Featuring three pivots, the Busch-Watchdog PRO can be rotated in any direction for a precisely adjustable detection range. Go with a round or square base to blend in with the architecture, mount it on the wall or ceiling - as you see, it is a truly path-breaking design.



**Interference suppressed.**

Every movement is different. The Busch-Watchdog PRO does a better job of detecting them over time. This means that no light is switched on in the event of certain heat effects: bushes moved by the wind, warm exhaust air or small animals whose movements are excluded by the optional selective detection lenses. Efficiently precise.

**Range stabilized.**

Many solutions use the infrared detector principle. Yet the Busch-Watchdog PRO has a more intelligent design: the precise range stabilization is based on variable sensitivity. In winter, it is reduced when the difference between body temperature and air is high, and increased in summer when the difference in temperature is lower. The detection area is aligned with one meter accuracy.

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## Factors

The various options that the Busch-Watchdog PRO offers also result from the consistent operating logic. Whether directly on the potentiometer or via the app, all parameters can be finely adjusted. Every movement is recorded precisely.

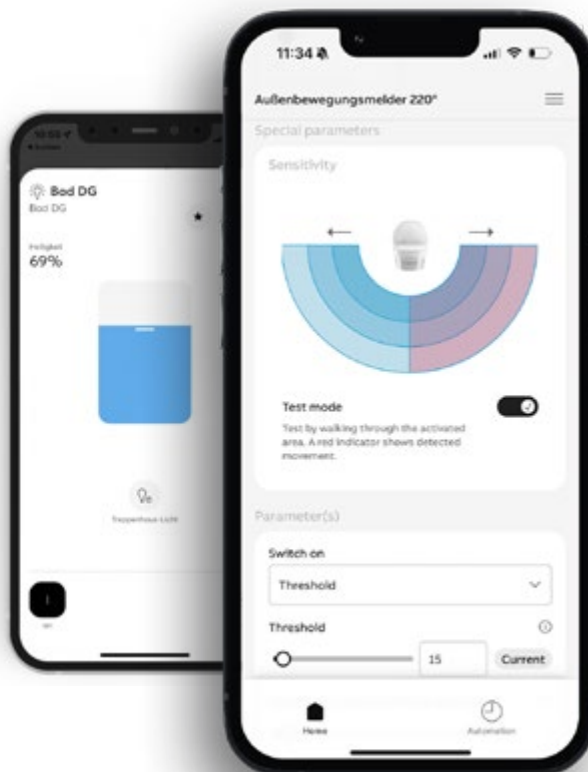
## Setting variants

### Potentiometer setting



Practical potentiometers on the underside of the Busch-Watchdog PRO are ready for making quick settings during standard commissioning.

### App configuration



The Busch-Watchdog PRO can be set even more precisely using ABB apps: Test mode, detection field, sensitivity, switch-on threshold and run-on time.



**KNX**  
ABB SmartConnect



**ABB-free@home®**  
Next app

**NEW**



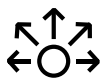
### Conventional 90°, 220°, select

The three variants are suited for classic installation. They can also be operated remotely via an app.



### ABB-free@home® 280°

Smart integration enables the use of several lighting circuits – providing flexibility for different situations and times of day.



### Wireless/Bluetooth 280°

If the Busch-Watchdog is located at a point suitable for detection, e.g. the garage, it can control the lighting in another area, such as the entryway to the house.



### KNX 280°

In functional buildings and top-quality residential buildings, the Busch-Watchdog can optimize motion detection by precisely setting brightness, temperature and twilight values.





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## Perspectives

Simple does not necessarily mean intelligent, yet intelligent technology is always simple: That is how we can describe the mounting system of the Busch-Watchdog PRO. No matter where you install it in the building, this newly developed infrared detector can always be perfectly positioned.



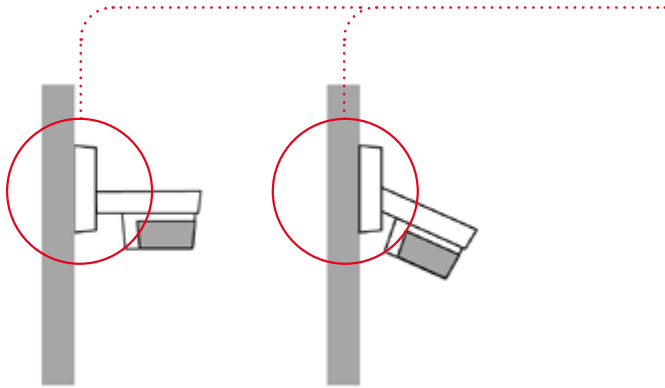
Three mounting options create maximum freedom for any architecture: Single-point mount, ceiling mount, corner mount.

The stable design ensures precisely defined detection ranges and consistently clean switching in the long term.



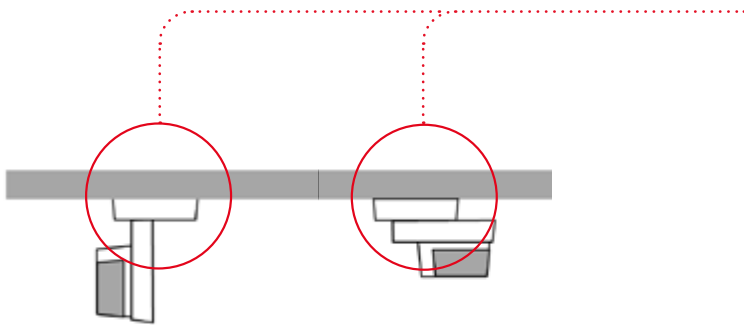
Single-point mounting





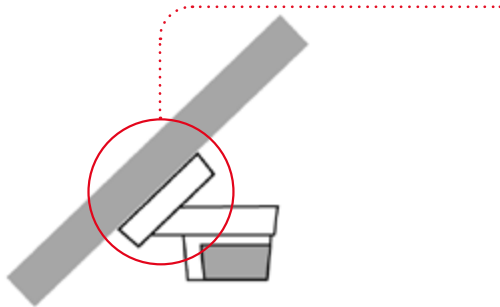
#### Balanced wall mounting.

If a building is located on a hill or a slope, you can easily optimize the coverage area: The Busch-Watchdog PRO is mounted using a stylish matching bracket which you can precisely adjust to the topography.



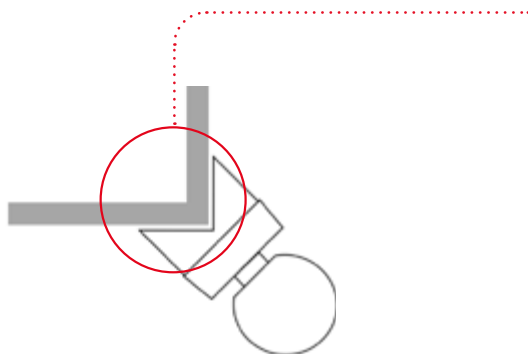
#### Simplified ceiling installation.

The Busch-Watchdog PRO can be mounted directly on the ceiling without the need for any additional components. The pivot enables precise adjustment to accommodate a wide range of installation options: from the small canopy over a front door to a large warehouse.



#### Flexible angled mounting.

Certain types of architecture come with special requirements. The Busch-Watchdog can also be mounted on diagonal surfaces and still be precisely aligned: it provides variability for all types of pitched roofs.



#### Comprehensive corner mounting.

The Busch-Watchdog PRO 280° detects surfaces in two directions, providing detail for two façade areas and for surrounding areas. The perfectly fitting corner bracket is seamlessly integrated into the design: aesthetically appealing technology for seamless sensitivity.

# The Watchdog. For everyone.

## Surfaces

### **Busch-Watchdog PRO 90°**

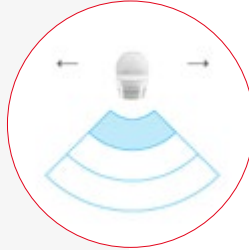
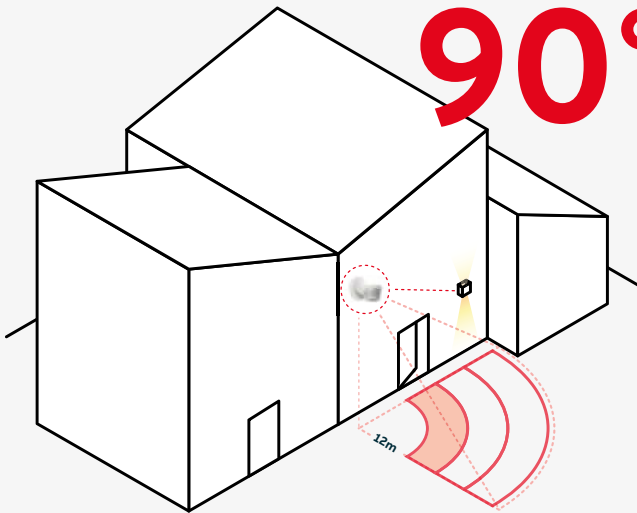
Townhouses place particularly high demands on the accuracy of the detection area. After all, the light should not be switched on in the event of irrelevant movements. Each front door needs a defined narrow zone. Each centimeter counts in the case of the frontal range, which can be reduced from 16 to 6 meters by changing the angle or using the app. Together with the fast switching relay, the Busch-Watchdog PRO provides the right precision to protect the entire neighborhood.

### **Busch-Watchdog PRO 220°**

For larger buildings, the building entryway is not the only place that needs to be illuminated. Complete coverage is important, since the façade, garage, paths and garden form a single unit. The horizontal range can be extended to up to 32 meters to accommodate this. Safety is also ensured by providing immediate bright light as you leave the building thanks to the sensitive rear field coverage. The complete technology with clear coverage indication and fast switching relay reacts precisely at all times.

### **Busch-Watchdog PRO 280°**

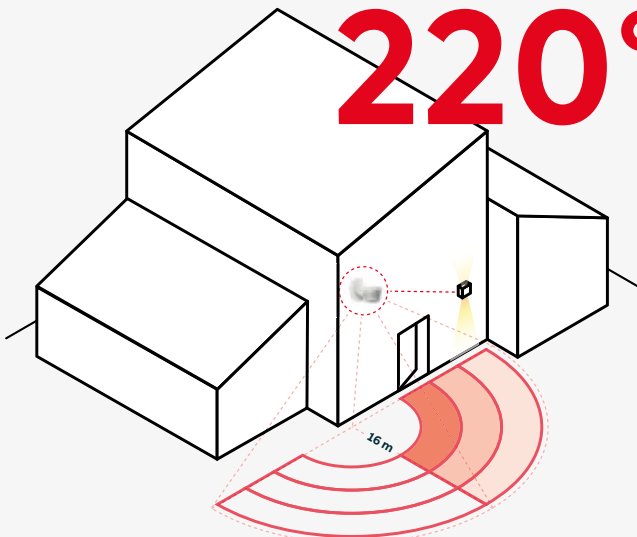
If a motion detector is installed at the corner of a house, it must be able to detect more than two viewing directions and span a angle of even more than three times 90°: Not even a single centimeter around the house may be missed. To achieve this, the horizontal coverage areas together extend up to 32 meters and up to 16 meters in the center. The Busch-Watchdog even switches on rear field coverage before you step out of the house. All this ensures safety, also thanks to the clear coverage indication and fast switching relay. The perfect even for architecture with many angles.

**Busch-Watchdog PRO****90°**

**Precise, definable, appropriate -  
the perfect solution for townhouses.**

Versatile coverage zone:

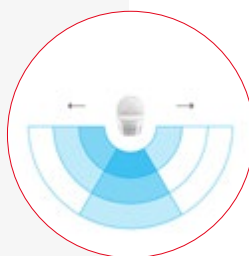
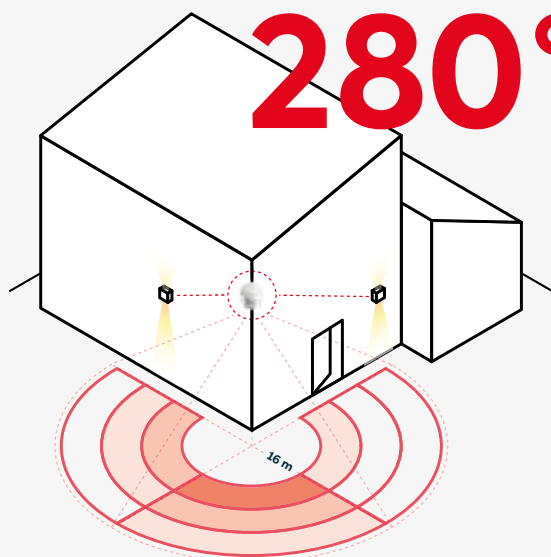
- ✓ frontal up to 16 m
- ✓ can be reduced horizontally to 8.5m
- ✓ can be reduced by changing the angle or via the app
- ✓ with clear coverage indication
- ✓ with fast switching relay

**Busch-Watchdog PRO****220°**

**Far-sighted, precise, responsive -  
the ideal solution for larger buildings.**

Versatile coverage zone:

- ✓ radial up to 16 m
- ✓ horizontal up to 32 m
- ✓ plus sensitive rear field coverage
- ✓ with clear coverage indication
- ✓ with fast switching relay

**Busch-Watchdog PRO****280°**

**Around corners, wide-ranging,  
clear-sighted - a first-class solution  
for angled architecture.**

Versatile coverage zone:

- ✓ center up to 16 m
- ✓ in any direction up to 32 m
- ✓ plus sensitive rear field coverage
- ✓ with clear coverage indication
- ✓ with fast switching relay



# The Watchdog. For everyone.

## Styles

Design can be many things. Here we make a clear statement: the Busch-Watchdog PRO is not there to attract attention, but to constantly react in the background. Yet if you walk past it every day, you will still notice it because its shape and color blend in with the beautiful architecture. A design for detail.



**01** Studio white  
RAL9016



**NEW 02** Aluminum  
silver  
RAL9006



**NEW 03** Stainless  
steel

### Five color variants for even more.

The color palette of the established Busch-Watchdog has now been evolved: with changed colors and an additional new finish: stainless steel. With the five variants now available, there is always a color alternative for any kind of structure and any architectural style, from old to futuristic.

#### Ordering data

Product	Type code
Busch-Watchdog PRO 90° BT	6851/9-xxx
Busch-Watchdog PRO 220° BT	6851/22-xxx
Busch-Watchdog PRO Select 220° BT	6851/22S-xxx
Busch-Watchdog PRO 280° WL	6251/28-xxx-WL
Busch-Watchdog PRO 280° f@h	BW-A4.11-xxx
Busch-Watchdog PRO 280° KNX	BW/A4.11-xxx
Busch-Watchdog PRO design frame	6851/DR-xxx
Busch-Watchdog PRO corner adapter	6851/EA-xxx



**NEW 04** Brown  
RAL8017  
(darker)



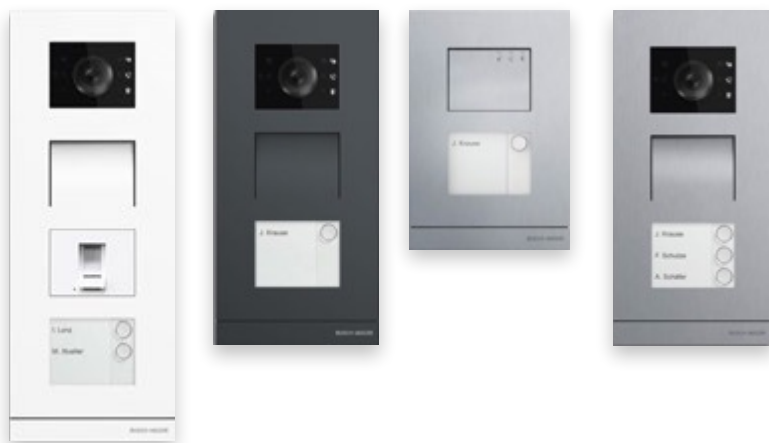
**NEW 05** Anthracite  
RAL7016

## Up-to-date in line with architectural trends.

The Busch-Watchdog PRO simply suits any style: 19th century architecture, white modernist façades, even the rediscovered brutalism style, light glass architecture as well as solid clinker brick façades or any type of timber construction.

## Shaping the style for the future.

A façade has many details, and this includes the Busch-Watchdog PRO. The color tones have been adapted to the Busch-Jaeger product range: The brown tone is now darker to keep with the times, while the silver is lighter. Everything is matched to the door communication system with ABB-Welcome®. Good style is something that especially stands out at the entryway to the house. The Busch-Watchdog PRO is a fitting example.



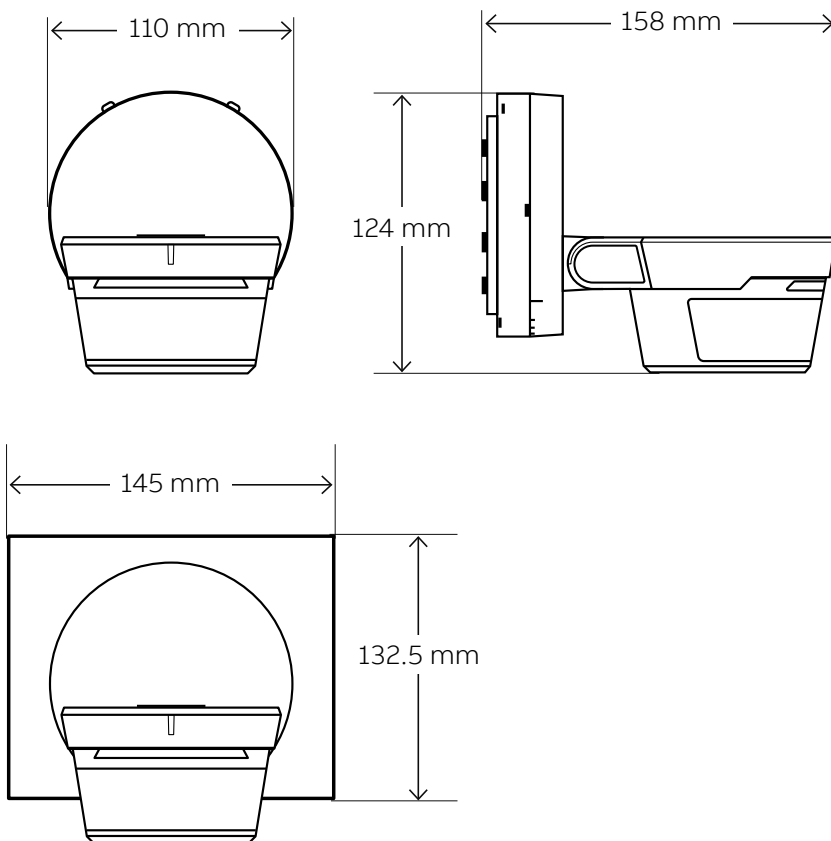
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## Variants

Architecture is always different. Diversity also results from current and future technical standards.

Technology must adapt intelligently, both to new building concepts and to old buildings. The answer to this is evolutionary design of the Busch-Watchdog PRO. It blends into its surroundings and features variability as standard.

### Dimensions





## Designs

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Busch-Watchdog PRO  
90° BT  
6851/9-13X



Busch-Watchdog PRO  
220° BT  
6851/22-13X



Busch-Watchdog PRO  
220° select BT  
6851/22S-134



Busch-Watchdog PRO  
280° WL  
6251/28-13X-WL



Busch-Watchdog PRO  
280° free@home  
BW-A4.1-1xx



Busch-Watchdog PRO  
280° KNX  
BW/A4.11-1xx



Corner adapter  
Busch-Watchdog PRO  
6851/EA-13X



Frame  
Busch-Watchdog PRO  
6851/DR-13X

## Colors

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Studio white 134  
RAL9016



**NEW** Aluminum silver 133  
RAL9006



**NEW** Stainless steel 136



**NEW** Brown 131  
RAL8017



**NEW** Anthracite 135  
RAL7016



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