

## Movement detector Busch-Watchdog MasterLINE

Busch-Watchdog. These innovative and high-quality optical movement detectors by ABB/Busch-Jaeger simply make life more comfortable. They are alert, helpful, efficient. And they automatically manage many tasks in every sector of the building. Indoors and outdoors. When it comes to safety, you know precisely when the light is needed. And other functions such as heating and air-conditioning can be intelligently and reliably integrated. Busch-Watchdogs are a unique combination of design, safety, efficiency and comfort.

### Design

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01 Busch-Watchdog 70/110 MasterLINE

02 Busch-Watchdog 220 MasterLINE

03 Busch-Watchdog 220 MasterLINE, lens anthracite, including IR remote control

04 Busch-Watchdog 280 MasterLINE

05 Busch-Watchdog 220 MasterLINE premium

06 Busch-Watchdog 220 WaveLINE

## Design

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07 Busch-Watchdog 220 MasterLINE select

08 Busch-Watchdog 220 MasterLINE KNX

09 Busch-Watchdog 220 MasterLINE KNX premium

10 IR service remote control

11 IR remote control

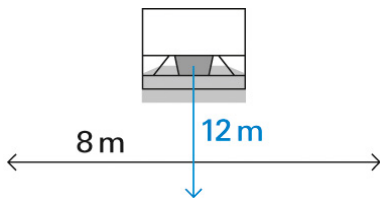
12 IR remote control KNX

13 Busch-MasterLight®

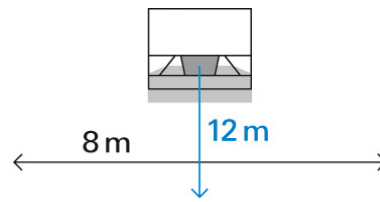
## Range

The products Busch-Watchdog 70 / 110 MasterLINE, Busch-Watchdog 220 MasterLINE, Busch-Watchdog 280 MasterLINE, Busch-Watchdog 220 MasterLINE premium, Busch-Watchdog 220 MasterLINE KNX and Busch-Watchdog 220 MasterLINE KNX premium are available in white (-204), anthracite (-35), brown (-201) and silver metallic (-208). Busch-Watchdog 220 MasterLINE select is available in white (-204).

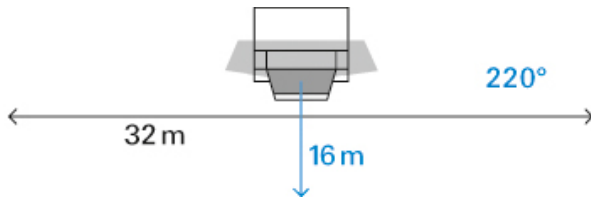
## Detection ranges



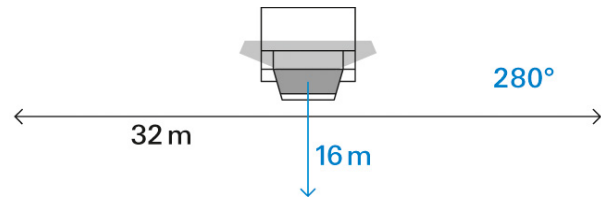
Busch-Watchdog 70 MasterLINE



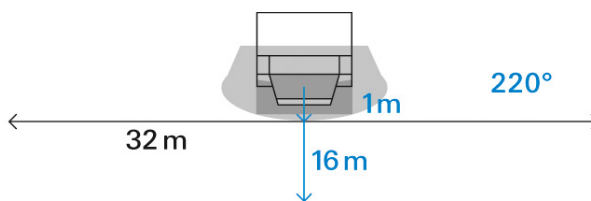
Busch-Watchdog 110 MasterLINE



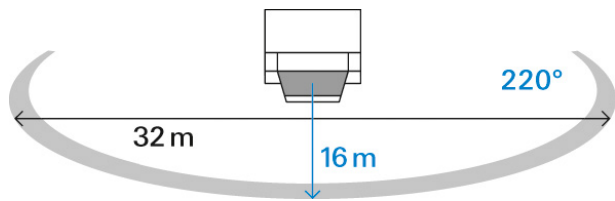
Busch-Watchdog 220 MasterLINE,  
Busch-Watchdog 220 WaveLINE,  
Busch-Watchdog 220 MasterLINE KNX,  
Busch-Watchdog 220 MasterLINE KNX premium



Busch-Watchdog 280 MasterLINE

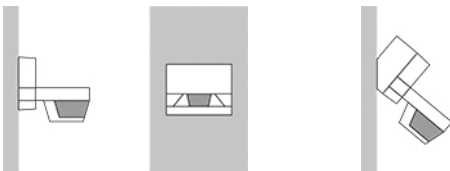


Busch-Watchdog 220 MasterLINE premium



Busch-Watchdog 220 MasterLINE select

## Mounting possibilities



### Wall mounting.

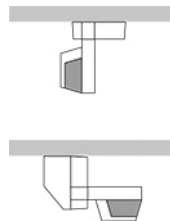
#### The classic installation.

The Busch-Watchdog movement detectors can be easily and quickly installed. In the classical position on the wall. It is one of the most popular mounting situations.

### Wall mounting with gradient.

#### Each task is carried out with consummate ease.

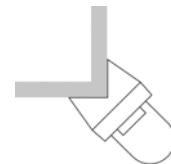
Busch-Watchdogs are multitalented. Even in complicated installation situations, such as in a building on a hill or with a gradient, the movement detector with the corner adaptor can be installed and adjusted in such a way that it offers the most optimum possibility for detection.



### Ceiling mounting.

#### All good things come from above.

When the Busch-Watchdog is to be installed on the ceiling, there are two versions. From the bottom for a wide detection range. Or with a corner adaptor, to be able to position the device correctly.



### Corner mounting.

#### Thinking around corners.

A Busch-Watchdog accepts all challenges. Thanks to a detection range of up to 280°, even the most difficult surveillance tasks are child's play. In combination with a special corner adaptor it is installed easily and quickly without any difficulty.

## Technical Data

Products	Busch-Watchdog 70 MasterLINE	Busch-Watchdog 110 MasterLINE	Busch-Watchdog 220 MasterLINE	Busch-Watchdog 280 MasterLINE	Busch-Watchdog 220 MasterLINE premium
Article number	6854 AGM-xxx-500	6855 AGM-xxx-500	6847 AGM-xxx-500, 6847/8 AGM-204-500, 684 /11 AGM-xxx-500	6867 AGM-xxx-500	
Detection range	–	–	220°	280°	220°
Detection level	4	4	4	4	4
Creep zone protection in the detection range	X	X	X	X	–
Coverage <sup>3</sup>	12 m frontal, 4 m lateral	12 m frontal, 4 m lateral	16 m frontal, 16 m lateral	16 m frontal, 16 m lateral	16 m frontal, 16 m lateral
LED detection check	X	X	X	X	X
Light activation via break switch	X	X	X	X	X
Switching outputs	1 x non-isolated	1 x non-isolated	1 x non-isolated	1 x non-isolated	1 x non-isolated 1 x floating
Back field detection	–	–	X	X	X
Remote operation via IR remote control, 6841-101-500	–	X	X	X	X
Remote parameterisable IR service remote control, 6842-101-500	–	X	X	X	X
Presence simulation via IR remote control	–	X	X	X	X
Continuous light switching (4 hours) via IR remote control	–	X	X	X	X
Continuous Off (4 hours) via IR remote control	–	X	X	–	X
Tripping delay	1 / 3 / 5 minutes	10 s to 30 minutes	10 s to 30 minutes	10 s to 30 minutes	10 s to 30 minutes
Recommended mounting method	Screw-type terminals	Screw-type terminals	Wago screw terminals	Wago screw terminals	Wago screw terminals
Twilight sensor	3 / 15 lux/ ∞ (daytime operation)	3 lux / ∞ (daytime operation)	0.5 – 300 lux/ ∞ (daytime operation)	0.5 – 300 lux/ ∞ (daytime operation)	0.5 – 300 lux/ ∞ (daytime operation)
Mounting height	2.50 m	2.50 m	2.50 m	2.50 m	2.50 m
Dimensions (H x W x D)	100 x 125 x 33 mm	100 x 125 x 33 mm	115 x 125 x 141 mm	115 x 125 x 141 mm	115 x 125 x 141 mm
Any type of loads	X	X	X	X	X
Suitable for wall and ceiling installation <sup>2</sup>	X / –	X / –	X / X	X	X
Additional functions	–	–	–	–	–

<sup>1</sup> Depending on the switch actuator used.

<sup>2</sup> The use of the corner adapter 6868-xxx-500 may depend on the mounting location.

<sup>3</sup> Mounting height of 2.50 m.


Products	Busch-Watchdog 220 WaveLINE	Busch-Watchdog 220 MasterLINE select	Busch-Watchdog 220 MasterLINE KNX	Busch-Watchdog 220 MasterLINE KNX premium
Article number	6747 AGM-xxx-500	6847 AGS-xxx-500	6179/01-xxx-500	6179/02-xxx-500
Detection range	220°	220°	220°	220°
Detection level	4	1	4	4
Creep zone protection in the detection range	X	X	X	X
Coverage <sup>3</sup>	16 m frontal, 16 m lateral	16 m frontal, 16 m lateral	16 m frontal, 16 m lateral	16 m frontal, 16 m lateral
LED detection check	–	X	–	–
Light activation via break switch	–	X	KNX	KNX
Switching outputs	– <sup>1</sup>	1 x non-isolated	2 movement channels	4 movement channels
Back field detection	X	–	X	X
Remote operation via IR remote control, 6841-101-500	–	X	–	With 6179-500
Remote parameterisable IR service remote control, 6842-101-500	–	X	–	–
Presence simulation via IR remote control	–	X	–	–
Continuous light switching (4 hours) via IR remote control	–	X	–	–
Continuous Off (4 hours) via IR remote control	–	X	X	X
Tripping delay	10 s to 30 minutes <sup>1</sup>	10 s to 30 minutes	10 s to 18 hours	10 s to 18 hours
Recommended mounting method	Integrated battery compartment	Wago screw terminals	KNX screwless terminals	KNX screwless terminals
Twilight sensor	0.5 – 300 lux/ ∞ (daytime operation)	0.5 – 300 lux/ ∞ (daytime operation)	1 – 1,000 lux	1 – 80,000 lux
Mounting height	2.50 m	1.10 m – 1.50 m or 2.50 m	2.50 m	2.50 m
Dimensions (H x W x D)	115 x 125 x 141 mm	115 x 125 x 141 mm	115 x 125 x 141 mm	115 x 125 x 141 mm
Any type of loads	–	X	–	–
Suitable for wall and ceiling installation <sup>2</sup>	X	X	X	X
Additional functions	–	–	3 x Twilight threshold	3 x Twilight /brightness threshold 3 x Temperature threshold 10 x Logic functions

<sup>1</sup> Depending on the switch actuator used.

<sup>2</sup> The use of the corner adapter 6868-xxx-500 may depend on the mounting location.

<sup>3</sup> Mounting height of 2.50 m.

## Service

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