

Lighting management

Detection solutions



:hager

Overview of the ceiling range

19 different options for a clearer view in any situation

Our detectors allow you to manage and automate lighting in residential and commercial buildings easily and efficiently. You can choose from a complete range of high-performance presence and motion detectors.

Basic detectors 6 m zone



The entry-level solution

- Integrated motion and presence detection
- Detection perimeter: 6 m
- Flush mounted or surface mounted
- Available in ON/OFF version



Catalogue references
EE805A, EE804A

Mini detectors

10 m zone



The discreet solution

- Integrated motion and presence detection
- Detection perimeter: 10 m
- Flush mounted
- Available in ON/OFF or KNX versions



Catalogue references
EER501, TXD501

Large area detectors 20 m zone



The right solution for commercial buildings

- Integrated motion and presence detection
- Detection perimeter: 20 m
- Flush mounted or surface mounted
- Available in ON/OFF, KNX or DALI versions



Catalogue references
EER503/513, TXD503,
TXC513, EED503/513

Corridor detectors 30 x 5 m zone



The right solution for high traffic areas

- Motion detection
- Detection perimeter: 30 x 5 m, specially designed for high traffic areas.
- Flush mounted or surface mounted
- Available in ON/OFF, KNX or DALI versions



Catalogue references
EER505/515, TXD505,
TXC515, EED505 - 515

Hall detectors 22 x 12 m zone



The right solution for high ceilings

- Motion detection
- Detection perimeter: 22 x 12 m, specially designed for warehouses and high-ceilinged buildings
- Flush mounted
- Available in ON/OFF, KNX or DALI versions



Catalogue references
EER518, TXC518, EED518

Use case

A range designed to suit all sites

Our detectors adapt to suit different environments, with options that include presence and/or motion sensors plus a choice of flush or surface-mounting. We also offer specific systems for buildings with highceilings and a very discreet mini version.



Private houses

- Entrance
- Hallway
- Basement and garage

Recommended range:
Basic and mini



Multi-occupancy dwellings

- Common areas:
entrance, hallway and staircase
- Garage blocks

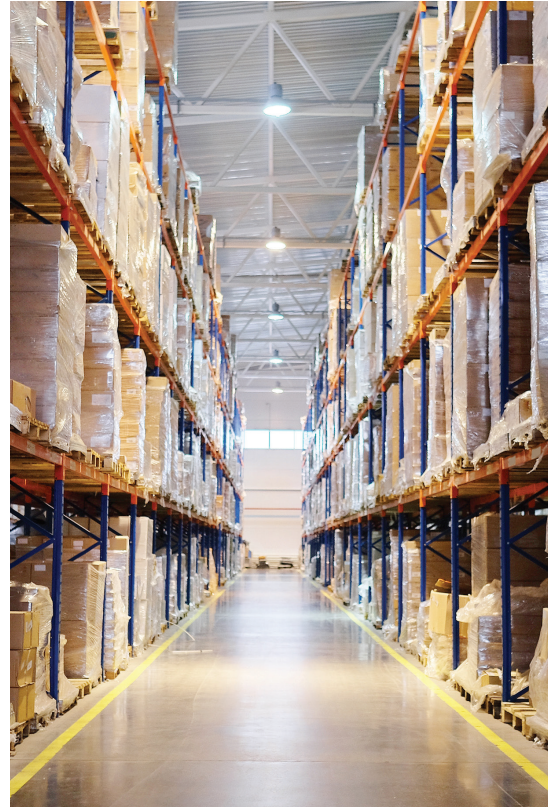
Recommended range:
Basic, 20 m, corridor



Offices

- Office floors
- Meeting rooms
- Individual offices
- High traffic areas

Recommended ranges:
Basic, mini,
large area, corridor



Warehouses, supermarkets

- High traffic areas
- Stockrooms/storage areas

Recommended range:
Hall



KNX model

Our KNX range is ideal for total building management or even for more advanced lighting control: Variation, scenarios, etc.



DALI model

The DALI range is perfect for managing the finer details of lighting: Colorimetry, power, white temperature, etc.

Why choose our solution?

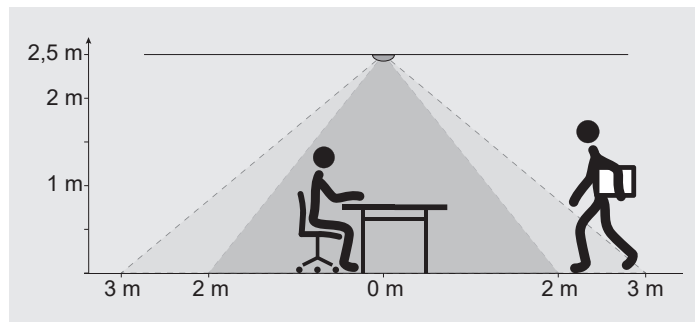
Choose a solution that's both simple and effective

01

Detection performance

The sharp perimeter and increased sensitivity ensure optimal detection.

The basic, mini and 20 m versions incorporate both presence and motion sensors for greater efficiency.



02

A perfect result

Discreet design with almost invisible mounts.

Our patented claws won't damage ceilings, and the zone blocking stickers to place on the lens will ensure a professional result.

The mini version is ideal for areas requiring discretion.

03

Ease of use

Easy to install

thanks to our patented claw fixings designed for easy assembly, disassembly and adjustment.



Easy cable connections

with horizontal or vertical infeeds.



For the 20 m options, corridor, flush mounted



Claw fittings

- Held outside of the ceiling for easy configuration
- Ceilings are not damaged, even if the device should come loose
- Comfortable grip, easy and safe to install

Protective bracket

- To secure access to terminal blocks.
- Compliant with NFC15-100.

Supplied with tightening clamp

- Ensures cable infeeds are held securely.

Quick connect terminals

- For tool-free cable fixing.

Loop through terminals

- So you can connect several lighting circuits.

For the 20 m options, corridor, hall, surface mounted



Connection base and sensing head can be separated

- Practical adjustment at floor level.
- Head and base clip together easily.
- Sensing head can be changed on its own.
- Base suitable for installation in standard surface mounting boxes (DCL boxes).

Mounting screws and "direction of installation" sticker supplied

- For practical and error-free installation, particularly for the corridor and hall options that are specific to motion detection.



Installation

Install with ease

Flush mounted

Hole diameter



Basic: 73 mm



Mini: 51/54 mm



20 m: 68 mm

The connection



Screwless terminal



With loop through function



Choice of master/slave/override function

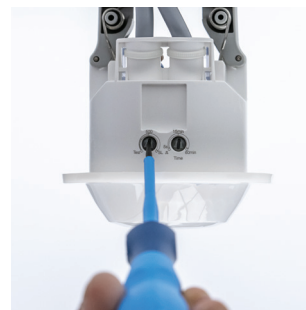
Ceiling mounting



Mounting brackets 20 m and corridor



Basic and mini mounting brackets



Settings accessible from the side

Surface mounting

Fixing



Standard surface mounting box (DCL)

The connection



Screwless terminal

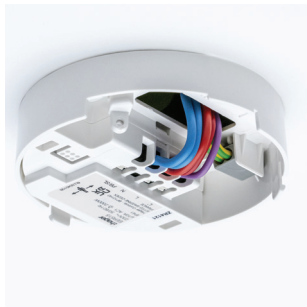


With loop through function



Choice of master/slave/override function

Ceiling mounting

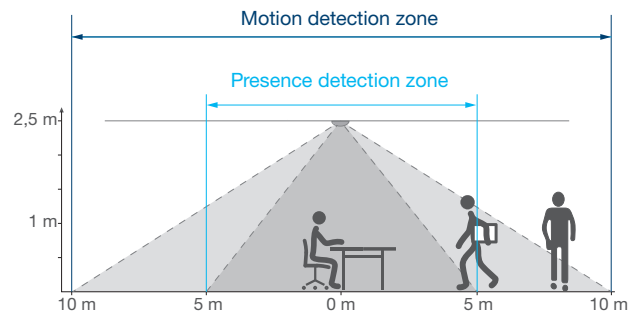


Base and sensing head can be separated



Settings accessible from the side of the sensing head

Motion detection/ presence detection



Pair the detector with a compatible ecosystem

To complete your set up, have a look at our other lighting management solutions.

Managing outside lighting



LED floodlights EE633/EE631

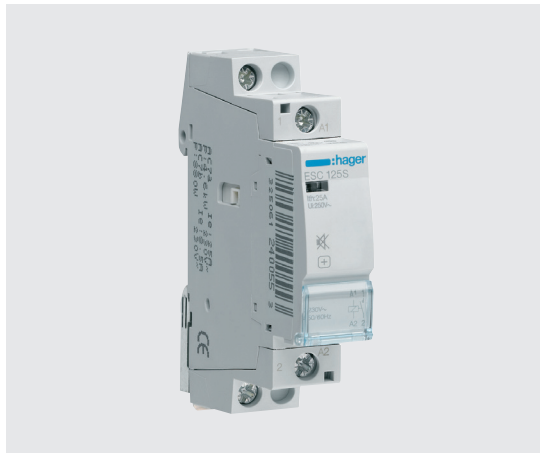
For both presence detection and lighting, an all in one product.



Sensor EE820/EE830

For presence detection and activation of outside lighting.

Management and control of interior lighting



**Power switch
ESC125S**
To switch off large
lighting circuits
safely.



**Programme clock
EGN200**
For automated lighting
in common and
outside areas.

How to choose the right detector

Defining exactly what you need from your detector is essential in choosing the right model. Just ask yourself 5 quick questions.

01 How is the target area used?

The first thing to ask is where the detector is going to be used.

- Inside or outside?
- In a small space?
- Large office floor?
- Corridor?
- Spaces with high ceilings

This question will define the type of product and its detection zone, so you can choose the detector best suited to the area.

02 How will it be installed?

Will the detector be installed on the ceiling, on the wall or in wiring accessories?

Will it be surface mounted or flush mounted?

- Ceiling mounted/wall mounted/in wiring accessories?
- Surface mounted/flush mounted?

The type of fixings and cable infeeds will determine the specific assembly.

Note that the type of assembly may depend on the application.



03

What do you want the detector to do?

How will the installation be controlled?

Will the detector be the master or slave in the installation?

And will it have a pushbutton override?

- Master?
- Slave?
- With override?

Each detector comprises all or some of these functions.

So it's important to define exactly what you need so you can choose the right detector.

04

What type of technology should I go for?

There are 3 main control technologies used for detection in buildings.

- ON/OFF
- KNX
- DALI

The ON/OFF versions will generally be used in traditional installations while the KNX and DALI versions are more suitable for smart buildings.

05

How is the target area used?

Are there lots of comings and goings or are people generally sitting quietly, like in an office?



































- Motion?
- Motion and presence?

Depending on the answer, you can decide whether to opt for a motion-only detector, or a motion and presence system that also detects micro-movements.



































Selection guide

Easily find the right [option](#) to suit your application

Application									
	Installation								
	Ceiling, flush mounted				Ceiling, surface mounted				Wall
	EE805A	EER501	EER503	EER505	EE804A	EER513	EER515	EER518	EE820 EE830 EE840 EE860 EE870
Entrances									
Small offices									
Sanitary facilities Changing rooms Machine rooms									
Large offices Meeting rooms									
Office floors Reception rooms									
Class rooms									
High traffic areas Corridors Stairwells									
Halls, Warehouses High-ceilinged buildings, Sports centres									
Covered parking areas									
Outside detection									



Installation						Installation				
Ceiling, flush mounted			Ceiling, surface mounted			Ceiling, flush mounted		Ceiling, surface mounted		
TXD501	TXD503	TXD505	TXC513	TXC515	TXC518	EED503	EED505	EED513	EED515	EED518
										
										
										
										
										
										
										
										

Overview of the range

Versions	Basic 6 m		Mini 10 m	Large area 20 m		Corridor	
Communication							
ON/OFF 2 wires							
ON/OFF 3 wires	EE805A	EE804A	EER501	EER503	EER513	EER505	EER515
KNX			TXD501	TXD503	TXC513	TXD505	TXC515
DALI			EED501	EED503	EED513	EED505	EED515
Mounting							
Flush mounted	•		•	•		•	
Surface mounted		•			•		•
Wiring accessories (45x45)							
Wall mounted							
Application							
Round area	•	•	•	•	•		
Specially for offices (square)			•	•	•		
Specially for corridors						•	•
High ceilings							
Discreet version			•				
Outside application							
Detection							
Detection angle	360°	360°	360°	360°	360°	360°	360°
Mounting height	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m
Detection zone	Ø 6 m	Ø 6 m	Ø 10 m	Ø 20 m	Ø 20 m	30 x 5 m	30 x 5 m
Square office area			7 x 7 m	14 x 14 m	14 x 14 m		
Function							
Motion	•	•	•	•	•	•	•
Presence	•	•	•	•	•		
Brightness	•	•	•	•	•	•	•
Use							
Master function			•	•	•	•	•
Slave function	•	•	•	•	•	•	
Connection							
Quick-connect terminal/screw	Quick	Quick	Quick	Quick	Quick	Quick	Quick
Loop through terminal			•	•	•	•	•
input				•	•	•	•
Remote control adjustment	EE807 (installer)EE808 (user)		EE807 (installer)EE808 (user)	EE807 (installer)EE808 (user)		EE807 (installer)EE808 (user)	
Technical data							
Ingress/Impact protection	IP21/IK04	IP21/IK04	IP41/IK04	IP41/IK04	IP41/IK04	IP41/IK04	IP41/IK04
Mounting hole diameter	Ø 73 mm		Ø 64 mm	Ø 68 mm		Ø 68 mm	
Time delay	5 sec – 30 min	5 sec – 30 min	5 sec – 60 min	5 sec – 60 min	5 sec – 60 min	5 sec – 60 min	5 sec – 60 min
Breaking capacity	10 A	10 A	10 A	10 A	10 A	10 A	10 A
Max LED Power	20x20 W	20x20 W	20x20 W	20x20 W	20x20 W	20x20 W	20x20 W

High ceilings	Basic wall mounted	Advanced wall mounted
EER518	EE820/EE830/EE840	EE850/EE860/EE870
TXC518		
EED518		
•		
	•	•
•		
	•	•
360°	EE820 ▶ 140° EE830 ▶ 200° EE840 ▶ 360°	EE850 ▶ 140° EE860 ▶ 220° EE870 ▶ 230°
6 – 9 m	2.5 m	2.5 m
22 x 12 m	16 x 16 m - Ø 20 m (52310)	16 x 16 m - Ø 12 m (52312)
•	•	•
•	•	•
•	EE840 only	•
•	•	•
Quick	Quick	Quick
•		•
•		
EE807 (installer) EE808 (user)		EE806 (installer)
IP41/IK04	IP55/-	IP55/-
5 sec – 60 min	5 sec – 15 min	EE850/EE860/EE870 ▶ 5 sec – 30 min
10 A	10 A	10 A
20x20 W	10x20 W	20x20 W

Basic version 6 metres



Motion and presence detector

- For spaces requiring modern, high-performance equipment
- Zero-crossing contact compatible with LED loads
- Removable sensing head on the surface mounted version for easier installation

Applications

- Residential applications
- High traffic areas
- Entrance
- Small offices
- Hotel rooms

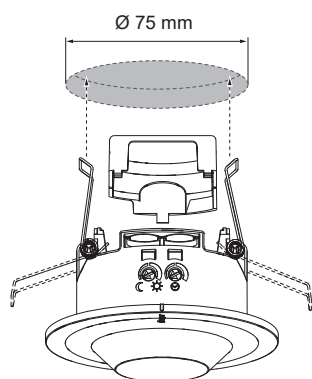
Product features

	EE804A	EE805A
Motion function	•	•
Presence function	•	•
Brightness function	•	•
Master function		
Slave function	•	•
Manual override via push button		

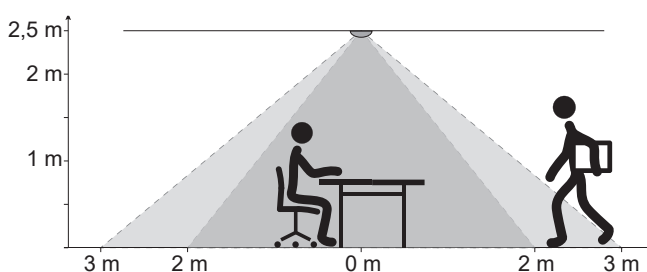
Options

Description	Mounting	Technology	Cat. ref.
Basic motion/presence detector 6 metres ON/OFF flush mounted	Flush mounted	ON/OFF	EE805A
Basic motion/presence detector 6 metres ON/OFF surface mounted	Surface mounted	ON/OFF	EE804A

Hole diameter



Detection zone

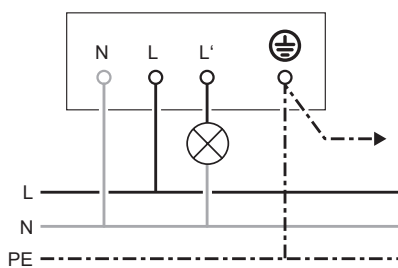


Technical specifications

	EE804A	EE805A
Supply voltage	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz	
Standby power consumption	< 0.3 W	
Switching time Operation Factory setting	Adjustable 5 sec – 30 min ~ 3 min	
Response brightness Factory setting	Adjustable 5 – 1000 Lux 200 Lux	
Recommended installation height	2.5 m – 3.5 m	
Maximum installation height	4 m	
Detection zone motion diameter (fitting height 2.5 m) across the detector Frontal movement towards the detector	6 m 4 m	
Detection zone presence diameter (Fitting height 2.5 m)	4 m	
Detection angle	~ 360°	
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2300 W 20 x 20 W (400 W) 1500 VA 1500 W 1000 W 1000 W	
Operating temperature	-5°C to +45°C	
Storage/transport temperature	-25°C to +70°C	
Ingress/Impact Protection and/ Protection Class	IP21/IK 04 II	
Dimensions Flush mounted version (Ø x H) Surface mounted version (Ø x H)	Ø 100 x 50 mm	Ø 90 x 61 mm
Terminal capacity Screwless terminals (loop through)	1 – 2.5 mm ²	

Connection

ON/OFF wiring



Mini version 10 metres



Mini motion and presence detector

- For spaces requiring discreet equipment.
- Can be adjusted with the EE807 remote control
- Controlled with the EE808 remote control
- Can function as both master and slave
- Zero-crossing contact compatible with LED loads
- LED status visible on the front of the product

Applications

- Residential applications
- High traffic areas
- Entrance
- Small offices
- Hotel rooms

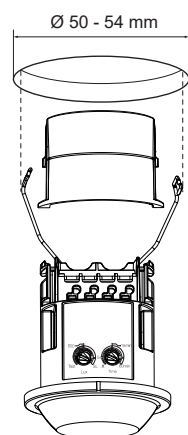
Product features

	EER501	TXD501
Motion function	•	•
Presence function	•	•
Brightness function	•	•
Master function	•	•
Slave function	•	•
Manual override via push button	•	

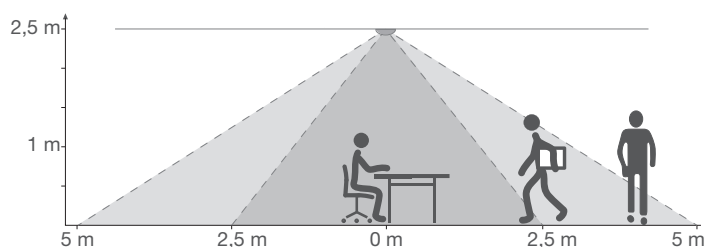
Options

Description	Mounting	Technology	Cat. ref.
Mini motion/presence detector 10 metres ON/OFF	Flush mounted	ON/OFF	EER501
Mini motion/presence detector 10 metres KNX!/"	Flush mounted	KNX (!/"	TXD501

Hole diameter



Detection zone

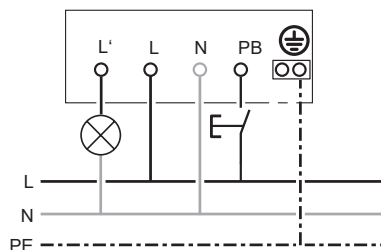


Technical specifications

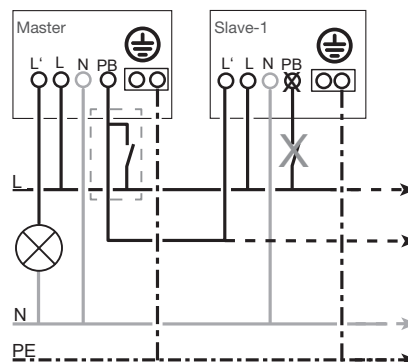
	EER501	TXD501
Supply voltage	230 V v, +10%/-15% 240 V v, +6/-6% 50/60 Hz	
Standby power consumption	< 0.5 W	
Switching time Operation Factory setting	Adjustable 5 sec – 60 min - pulse (2s) v 15 min	
Response brightness Factory setting	Adjustable 5 – 2000 Lux 500 Lux	
Recommended installation height	2.5 m – 3.5 m	
Maximum installation height	4 m	
Detection zone motion diameter (fitting height 2.5 m) Across the detector Frontal movement towards the detector	10 m 5 m	
Detection zone presence diameter (Fitting height 2.5 m)	5 m	
Detection angle	v 360°	
Cable length from the first to the last device	max. 50 m	-
Number of slave devices per master	max. 10	-
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2000 W 20 x 20 W (400 W) 1500 VA 1500 W 1000 W/130µF 1000 W	
Operating temperature	-5°C to +45°C	
KNX information Configuration mode Power supply KNX rated voltage Current consumption	- - - -	I/" Via bus 30 V DC Max. 10 mA
Storage/transport temperature	-20°C to +70°C	
Ingress/Impact Protection and Protection Class	IP41/IK 04 II	
Dimensions Flush mounted version (Ø x H)	Ø 62 x 86.2 mm	
Terminal capacity Screwless terminals (loop through)	0.5 – 2.5 mm ²	

Connection

ON/OFF wiring + Push button



Master/slave wiring (max. slave ≤ 10)



20 metre version



Large area motion and presence detector

- For spaces requiring modern, high-performance equipment
- Can be adjusted with the EE807 remote control
- Controlled with the EE808 remote control
- Can function as both master and slave
- Zero-crossing contact compatible with LED loads
- LED status visible on the front of the product

Applications

- Commercial applications
- Office floors
- Reception areas
- High traffic areas

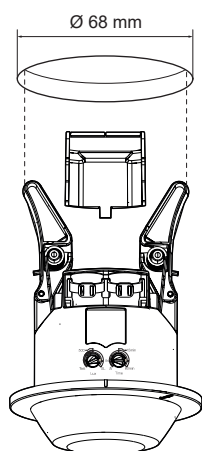
Product features

	EER503/EER513	TXD503/TXC513	EED503/EED513
Motion function	•	•	•
Presence function	•	•	•
Brightness function	•	•	•
Master function	•	•	•
Slave function	•	•	
Forcing via wired button	•		•

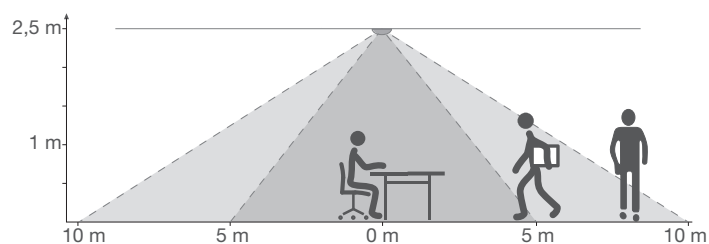
Options

Description	Mounting	Technology	Cat. ref.
Large area motion/presence detector 20 m, ON/OFF flush mounted	Flush mounted	ON/OFF	EER503
Large area motion/presence detector 20 m, ON/OFF surface mounted	Surface mounted	ON/OFF	EER513
Large area motion/presence detector 20 m, KNX e / S flush mounted	Flush mounted	KNX	TXD503
Large area motion/presence detector 20 m, KNX e / S surface mounted	Surface mounted	KNX	TXC513
Large area motion/presence detector 20 m, DALI 2 flush mounted	Flush mounted	DALI 2	EED503
Large area motion/presence detector 20 m, DALI 2 surface mounted	Surface mounted	DALI 2	EED513

Hole diameter



Detection zone

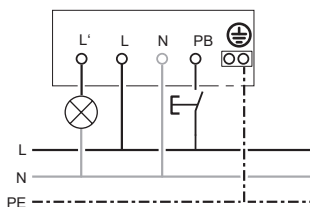


Technical specifications

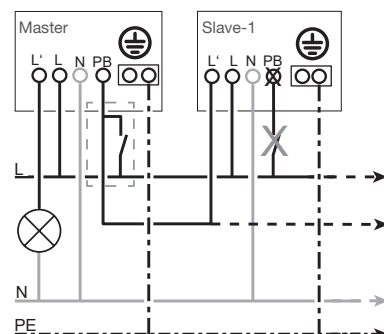
	EER503/EER513	TXD503/TXC513	EED503/EED513
Supply voltage	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz	-	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz
Standby power consumption	< 0.5 W	-	< 0.5 W
Switching time Operation Factory setting	Adjustable 5 sec – 60 min - pulse (2s) ~ 15 min	-	-
Response brightness Factory setting	Adjustable 5 – 2000 Lux 500 Lux	-	-
Recommended installation height	2.5 m – 3.5 m	-	-
Maximum installation height	4 m	-	-
Detection zone motion diameter (fitting height 2.5 m) Across the detector Frontal movement towards the detector	20 m 10 m	-	-
Detection zone presence diameter (Fitting height 2.5 m)	10 m	-	-
Detection angle	~ 360°	-	-
Cable length from the first to the last device	max. 50 m	-	-
Number of slave devices per master	max. 10	-	-
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2000 W 20 x 20 W (400 W) 1500 VA 1500 W 1000 W/130µF 1000 W	- - - - - - -	- - - - - - -
Number of DALI devices	-	-	max. 24
DALI information Rated DALI voltage Guaranteed current Maximum current	- - -	- - -	16 V 48 mA 250 mA
KNX information Configuration mode Power supply KNX rated voltage Current consumption	- - - -	e / s Via bus 30 V DC Max. 10 mA	- - - -
Operating temperature	-5°C to +45°C	-	-
Storage/transport temperature	-20°C to +70°C	-	-
Ingress/Impact Protection and Protection Class	IP41/IK 04 II	-	-
Dimensions Flush mounted version (Ø x H) Surface mounted version (Ø x H)	Ø 85 x 75.9 mm Ø 105 x 59.7 mm	-	-
Terminal capacity Screwless terminals (loop through)	0.5 – 2.5 mm ²	-	0.5 – 2.5 mm ²

Connection

ON/OFF wiring
+ Push button

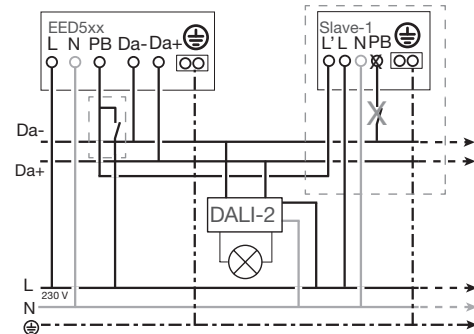


Master/slave wiring
(max. slave ≤ 10)



DALI cabling system

Slave < 10 devices (EED5XX)



Corridor version



Special corridor motion detector

- For spaces requiring modern, high-performance equipment
- Can be adjusted with the EE807 remote control
- Controlled with the EE808 remote control
- Can function as both master and slave
- Zero-crossing contact compatible with LED loads
- LED status visible on the front of the product

Applications

- Commercial applications
- Hallway
- Multi-residential
- Stairs
- High traffic areas

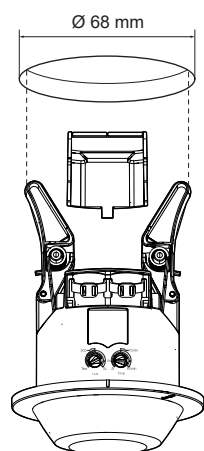
Product features

	EER505/EER515	TXD505/TXC515	EED505/EED515
Motion function	•	•	•
Presence function			
Brightness function	•	•	•
Master function	•	•	•
Slave function	•	•	
Manual override via push button	•		•

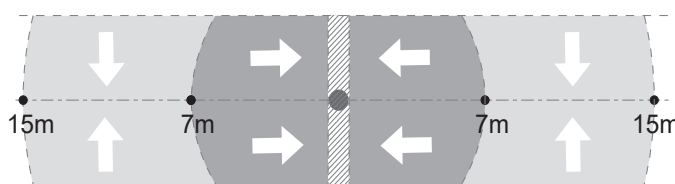
Options

Description	Mounting	Technology	Cat. ref.
Corridor motion detector 30 x 5 metres ON/OFF flush mounted	Flush mounted	ON/OFF	EER505
Corridor motion detector 30 x 5 metres ON/OFF surface mounted	Surface mounted	ON/OFF	EER515
Corridor motion detector 30 x 5 metres KNX e / S flush mounted	Flush mounted	KNX e / S	TXD505
Corridor motion detector 30 x 5 metres KNX e / S surface mounted	Surface mounted	KNX e / S	TXC515
Corridor motion detector 30 x 5 metres DALI 2 flush mounted	Flush mounted	DALI 2	EED505
Corridor motion detector 30 x 5 metres DALI 2 surface mounted	Surface mounted	DALI 2	EED515

Hole diameter



Detection zone

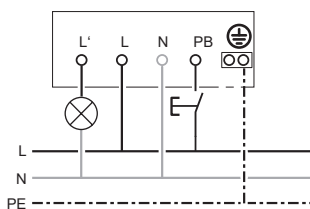


Technical specifications

	EER505/EER515	TXD505/TXC515	EED505/EED515
Supply voltage	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz	-	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz
Standby power consumption	< 0.5 W	-	< 0.5 W
Switching time Operation Factory setting	Adjustable 5 sec – 60 min - pulse (2s) ~ 15 min		
Response brightness Factory setting	Adjustable 5 – 2000 Lux 500 Lux		
Recommended installation height	2.5 m – 3.5 m		
Maximum installation height	4 m		
Detection zone motion diameter (fitting height 2.5 m) Perpendicular to the detector Frontal movement towards the detector	30 x 5 metres 14 x 5 metres		
Detection angle	~ 360°		
Cable length from the first to the last device	max. 50 m		
Number of slave devices per master	max. 10		
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2000 W 20 x 20 W (400 W) 1500 VA 1500 W 1000 W/130µF 1000 W	- - - - - - -	- - - - - -
Number of DALI devices	-	-	max. 24
DALI information Rated DALI voltage Guaranteed current Maximum current	- - -	- - -	16 V 48 mA 250 mA
KNX information Configuration mode Power supply KNX rated voltage Current consumption	- - - -	e / s EASY/ETS Via bus 30 V DC Max. 10 mA	- - - -
Operating temperature	-5°C to +45°C		
Storage/transport temperature	-20°C to +70°C		
Ingress/Impact Protection and Protection Class	IP41/IK 04 II		
Dimensions Flush mounted version (Ø x H) Surface mounted version (Ø x H)	Ø 85 x 75.9 mm Ø 105 x 59.7 mm		
Terminal capacity Screwless terminals (loop through)	0.5 – 2.5 mm ²	-	0.5 – 2.5 mm ²

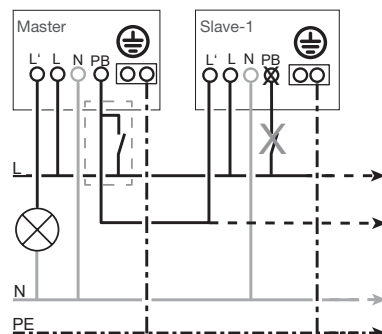
Connection

ON/OFF wiring
+ Push button



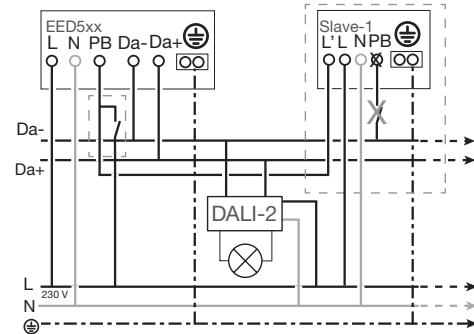
Master/slave wiring

(max. slave ≤ 10)



DALI cabling system

Slave < 10 devices (EED5XX)



Version for high ceilings



Special corridor motion detector

- For spaces requiring modern, high-performance equipment.
- Can be adjusted with the EE807 remote control
- Controlled with the EE808 remote control
- Can function as both master and slave
- Zero-crossing contact compatible with LED loads
- LED status visible on the front of the product

Applications

- Commercial applications
- High ceilings
- Storage warehouse

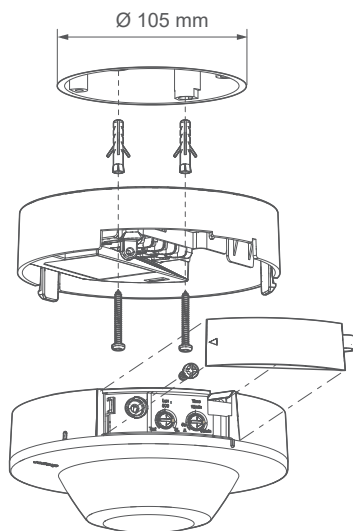
Product features

	EER518	TXC518	EED518
Motion function	•	•	•
Presence function			
Brightness function	•	•	•
Master function	•	•	•
Slave function	•	•	
Manual override via push button	•		•

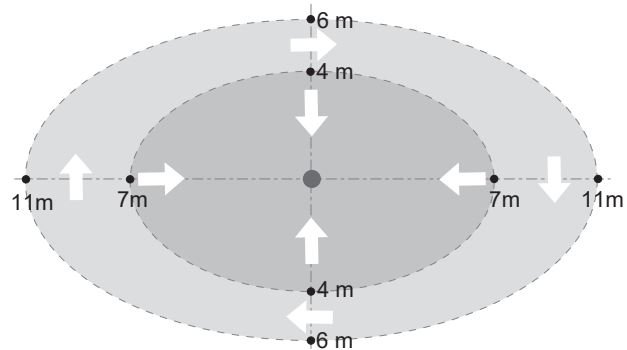
Options

Description	Mounting	Technology	Cat. ref.
Motion detector for high ceilings 22 x 12 metres, ON/OFF surface mounted	Flush mounted	ON/OFF	EER518
Motion detector for high ceilings 22 x 12 metres KNX e / S surface mounted	Surface mounted	KNX e / S	TXC518
Motion detector for high ceilings 22 x 12 metres, DALI 2 surface mounted	Surface mounted	DALI 2	EED518

Hole diameter



Detection zone

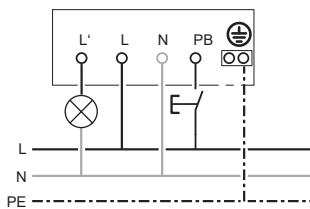


Technical specifications

	EER518	TXC518	EED518
Supply voltage	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz	-	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz
Standby power consumption	< 0.5 W	-	< 0.5 W
Switching time Operation Factory setting	Adjustable 5 sec – 60 min - pulse (2s) ~ 15 min	-	-
Response brightness Factory setting	Adjustable 5 – 2000 Lux 500 Lux	-	-
Recommended installation height	6 m – 9 m	-	-
Maximum installation height	10 m	-	-
Detection zone motion diameter (fitting height 2.5 m) Perpendicular to the detector Frontal movement towards the detector	22 x 12 metres 14 x 8 metres	-	-
Detection angle	~ 360°	-	-
Cable length from the first to the last device	max. 50 m	-	-
Number of slave devices per master	max. 10	-	-
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2000 W 20 x 20 W (400 W) 1500 VA 1500 W 1000 W/130µF 1000 W	- - - - - - -	- - - - - -
Number of DALI devices	-	-	max. 24
DALI information Rated DALI voltage Guaranteed current Maximum current	- - -	- - -	16 V 48 mA 250 mA
KNX information Configuration mode Power supply KNX rated voltage Current consumption	- - - -	e / s Via bus 30 V DC Max. 10 mA	- - - -
Operating temperature	-5°C to +45°C	-	-
Storage/transport temperature	-20°C to +70°C	-	-
Ingress/Impact Protection and Protection Class	IP41/IK 04 II	-	-
Dimensions Surface mounted version (Ø x H)	Ø 105 x 59.7 mm	-	-
Terminal capacity Screwless terminals (loop through)	0.5 – 2.5 mm ²	-	0.5 – 2.5 mm ²

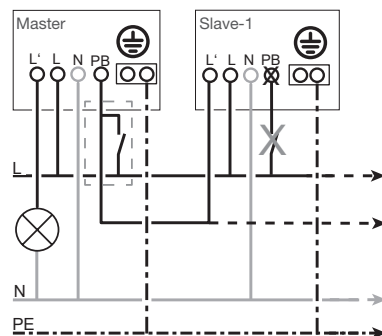
Connection

ON/OFF wiring
+ Push button



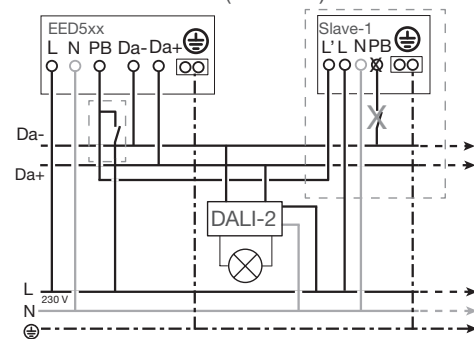
Master/slave wiring

(max. slave ≤ 10)



DALI cabling system

Slave < 10 devices (EED5XX)



Standard wall mounted version



IP55 motion detector

- For outside spaces or areas subject to high humidity levels
- Can be adjusted with the 52900 remote control
- Can function as both master and slave
- Adjustable detection angle
- Can be angled left or right
- Screwless through terminal

Applications

- Commercial and residential applications
- Outside use
- Storage warehouse
- Parking areas
- High traffic areas

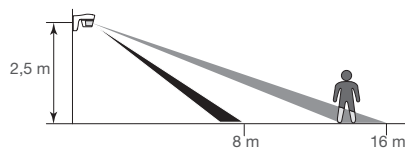
Product features

	EE820	EE830	EE840
Motion function	•	•	•
Presence function			
Brightness function	•	•	•
Master function			
Slave function	•	•	•
Manual override via push button			

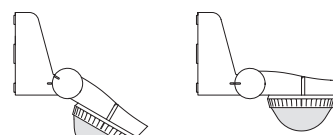
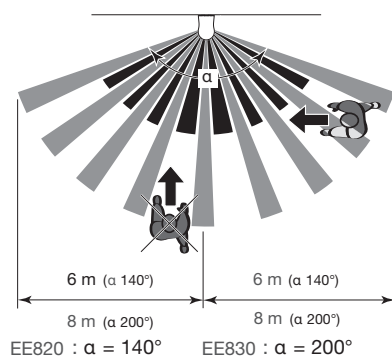
Options

Description	Mounting	Technology	Cat. ref.
Standard IP55 wall mounted motion detector, 140° ON/OFF	Wall mounted	ON/OFF	EE820
Standard IP55 wall mounted motion detector, 200° ON/OFF			EE830
Standard IP55 wall mounted motion detector, 360° ON/OFF			EE840

Detection zone

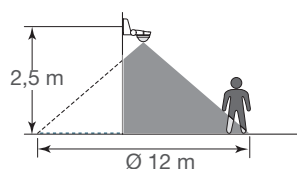


The optimal installation height is 2.5 m.
The detection field must remain free.

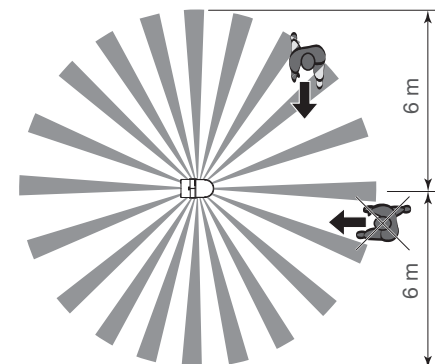


3 m

6 m



The optimal installation height is 2.5 m.



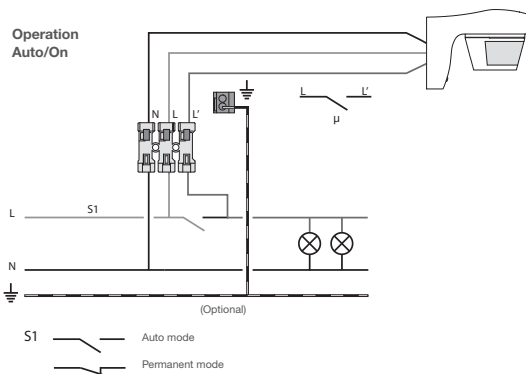
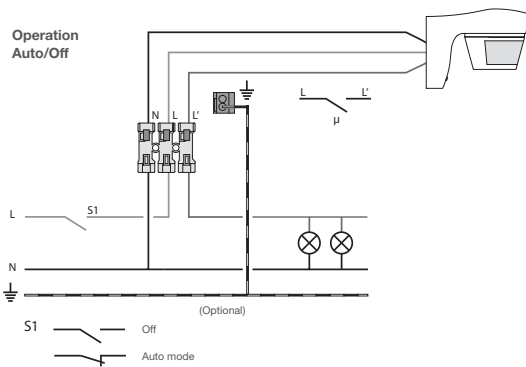
$\alpha = 360^\circ$

Technical specifications

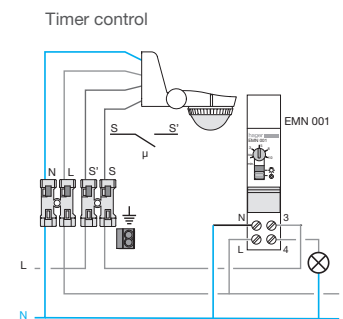
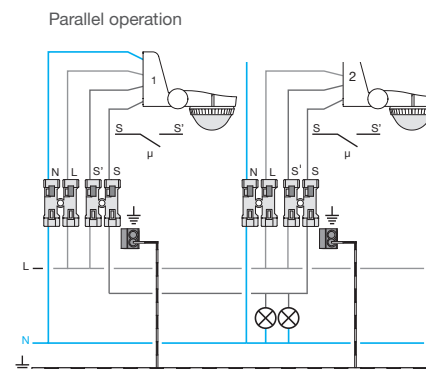
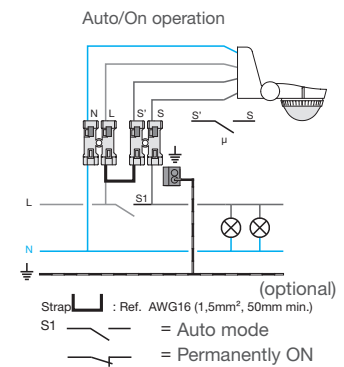
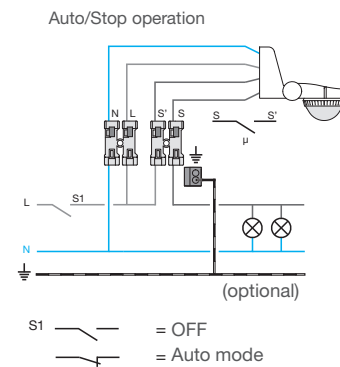
	EE820	EE830	EE840
Supply voltage	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz		230 V ~, +10%/-15% 50/60 Hz
Standby power consumption	1.2 W		
Switching time Operation	Adjustable 5 sec – 15 min - pulse		
Response brightness	Adjustable 5 – 1000 Lux		
Recommended installation height	2.5 m		
Motion detection zone (Fitting height 2.5 m) Detector tilt at 0° Detector tilt at 30°	12 x 8 metres 12 x 16 metres	16 x 8 metres 16 x 16 metres	
Detection angle	~ 140°	~ 200°	~ 360°
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 1500 W 10 to 20 W (200 W) 1500 VA 1500 VA 290 W/32 µF 580 W		
Operating temperature	-20°C to +55°C		
Storage/transport temperature	-20°C to +60°C		
Ingress/Impact Protection and Protection Class	IP55/IK04 II		
Dimensions Surface mounted version (W x H x D)	127 x 83 x 97 mm		153 x 91 x 64 mm
Terminal capacity Screwless terminals (loop through)	Rigid 1.5 mm ²		

Connection

ON/OFF wiring
EE820/EE830



ON/OFF wiring
EE840



Advanced wall mounted detector



IP55 motion detector

- For outside spaces or areas subject to high humidity levels
- Can be adjusted with the 52900 remote control
- Can function as both master and slave
- Adjustable detection angle
- Can be angled up/down and left/right
- Screwless through terminal

Applications

- Commercial and residential applications
- Outside use
- Storage warehouse
- Parking areas
- High traffic areas

Product features

	EE850	EE860	EE870
Motion function	•	•	•
Presence function			
Brightness function	•	•	•
Master function			
Slave function	•	•	•
Manual override via push button			

Options

Description

- Standard IP55 wall mounted motion detector, 140° ON/OFF
- Standard IP55 wall mounted motion detector, 200° ON/OFF
- Standard IP55 wall mounted motion detector, 220/ 230° ON/OFF
- Standard IP55 wall mounted motion detector, 220/ 230° KNX radio/ **Q**
- Standard IP55 wall mounted motion detector kit 220/230° radio/ **Q**
+ control module 1 radio output

Mounting

Wall mounted

Technology

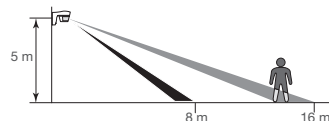
ON/OFF
ON/OFF
ON/OFF
KNX radio
(**E** / **S** / **Q**)

Cat. ref.

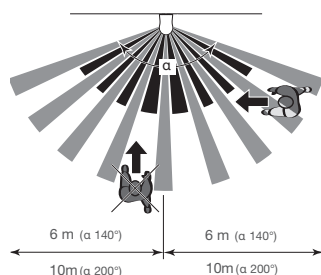
EE850
EE860
EE870

Detection zone

EE850/EE860

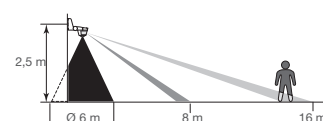


The optimal installation height is 2.5 m.
The detection field must remain free.

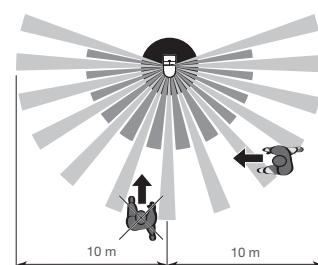


EE850x : $\alpha = 140^\circ$ EE860x : $\alpha = 200^\circ$

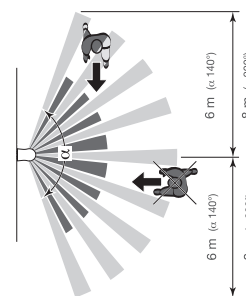
EE870



The optimal installation height is 2.5 m.
The detection field must remain free.



$\alpha = 220^\circ/360^\circ$



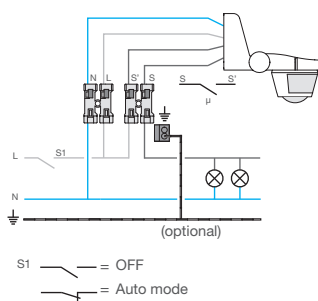
Technical specifications

	EE850	EE860	EE870
Supply voltage	230 V ~, +10%/-15% 50/60 Hz	230 V ~, +10%/-15% 240 V ~, +6/-6% 50/60 Hz	230 V ~, +10%/-15% 50/60 Hz
Standby power consumption	1.2 W		
Switching time Operation	Adjustable 5 sec – 30 min - pulse		
Response brightness	Adjustable 5 – 1000 Lux		
Recommended installation height	2.5 m		
Motion detection zone (Fitting height 2.5 m) Detector tilt at 0° Detector tilt at 30°	12 x 8 m 12 x 16 m	20 x 8 m 20 x 16 m	
Detection angle	~ 140°	~ 220°	~ 360°
Contact power 230 V incandescent halogen lamp LED/compact fluorescent lamps Electrical transformer Electronic transformer Parallel compensated fluorescent tubes Fluorescent tubes with electronic ballast	10 A 2300 W 10 to 20 W (200 W) 1500 VA 1500 VA 400 W/45 µF 580 W		
KNX information Configuration mode Power supply KNX rated voltage Current consumption	-		
Operating temperature	-20°C to +55°C		
Storage/transport temperature	-20°C to +60°C		
Ingress/Impact Protection and Protection Class	IP55/IK06 II		
Dimensions Surface mounted version (W x H x D)	153 x 91 x 139 mm		
Terminal capacity Screwless terminals (loop through)	Rigid 1.5 mm ²		

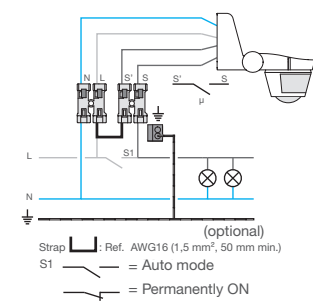
Connection

ON/OFF wiring EE850/EE860/EE870

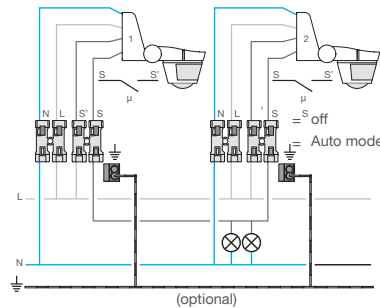
Auto/Stop operation



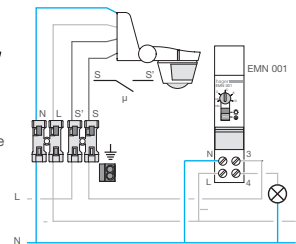
Auto/On operation



Parallel operation



Timer control



:hager

UTU

www.utugroup.com