



Article number	871500	871505	871510	871520	871540	871545	871550	871556	871557	871562
Type	AWD-230-I5	AWD-230-V5	AWD-230-V12	AWD-230I-110V	AWD-S24V12	AWD-S24V-5-SHOP	AWDS-24V-I5	AWD-S24VAC/DC	AWD-S24V-I10V	AWD-PRI-110V
Master or Slave sensor	Master	Master	Master	Master	Master	Master	Master	Master	Master	Master
Technique										
Detector type	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector	Presence detector
Detection technique	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red
Mounting & connecting										
Mounting	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation
Central installation box	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
Connecting sensor	Screw contact	Screw contact	Screw contact	Screw contact	RJ12	RJ12	RJ12	RJ12	RJ12	RJ12
Detection										
Detection radius	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °
Optimal mounting height (meters)	2,5 m	2,5 m	2,6 m	2,5 m	2,6 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m
Detection range (meters)	5,6 x 7 m	5,6 x 7 m	6,2 x 7,8 m	5,6 x 7 m	6,2 x 7,8 m	5,6 x 7 m	5,6 x 7 m	5,6 x 7 m	5,6 x 7 m	5,6 x 7 m
Detection surface (square meters)	39 m²	39 m²	48 m²	39 m²	48 m²	39 m²	39 m²	39 m²	39 m²	39 m²
Max. mounting height (meters)	5 m	5 m	12 m	5 m	12 m	5 m	5 m	5 m	5 m	5 m
Detection range at max. height (meters)	7,2 x 9 m	7,2 x 9 m	15 x 15,7	7,2 x 9 m	15 x 15,7	7,2 x 9 m	7,2 x 9 m	7,2 x 9 m	7,2 x 9 m	7,2 x 9 m
Detection surface at max. height (square meters)	64 m²	64 m²	235 m²	64 m²	235 m²	64 m²	64 m²	64 m²	64 m²	64 m²
Electric connection										
Connecting voltage range	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	10,8 - 28 V dc	10,8 - 28 V dc	10,8 - 28 V dc	10,8 - 28 V dc	10,8 - 28 V dc	10,8 - 28 V dc
Contact(s)	Closing contact	Closing contact	Closing contact	Closing contact	Potential-free contact	Potential-free contact	Potential-free contact	Potential-free contact	Potential-free contact	Potential-free contact
1-10V daylight regulation	✘	✘	✘	✓ 10mA	✘	✓ 10mA	✘	✘	✓ 10mA	✓ 10mA
Suitable for bussystems (like Priva)	✘	✘	✘	✘	✓	✘	✘	✓	✘	✓
Suitable for DALI systems	✘	✘	✘	✘	icw 871571	icw 871571	icw 871571	icw 871571	icw 871571	icw 871571
Switching & load										
Ohmic load	2300 VA	2300 VA	2300 VA	2300 VA	30 mA	30 mA				
Inductively compensated combined load	2300 VA	2300 VA	2300 VA	2300 VA						
Max. amount of HF EVSA's	17	17	17	17						
LED Lighting	1000 VA	1000 VA	1000 VA	1000 VA						
Halogen lighting (low-voltage)	1000 VA	1000 VA	1000 VA	1000 VA						
Energy-saving lights	400 VA	400 VA	400 VA	400 VA						
Other specifications										
IP value	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41
Max. amount of slave sensors					30	30				
Lux-setting	100 - 1000 lux	Lux independent	Lux independent	100 - 1000 lux	Lux independent		100 - 1000 lux			
Time setting relay	10 sec - 14 min.	10 min.	10 min.	10 sec - 14 min.	10 min.	10 sec - 14 min.	10 sec - 14 min.	10 min.	10 sec - 14 min.	10 sec.
Dimensions										
Build-in sensor diameters	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm
Accessories										
Slave sensor					871543	871548				
Switching block for operating at 230V					See switching block	See switching block	See switching block	See switching block	See switching block	See switching block
Connection cable (5 meter)					871600	871600	871600	871600	871600	871600
T-splitter RJ12					183407	183407	183407	183407	183407	183407
Connection adapter 2x Wieland GST18	871525	871525	871525	871525						
Connection adapter 2x Winsta	871524	871524	871524	871524						
Square mounting housing + fixture window					871585 + 871580	871585 + 871580	871585 + 871580	871585 + 871580	871585 + 871580	871585 + 871580
Round mounting housing	871583	871583	871583	871583	871583	871583	871583	871583	871583	871583
Build-in mounting ring (with spring)	871587	871587	871587	871587	871587	871587	871587	871587	871587	871587
Connection cable 24 V from RJ12 to screw					871575	871575	871575	871575	871575	871575
Connection plug 1-10V				871521		871521		871521		871521

Switching blocks

These switching blocks offer a quick and easy way to install our 24V sensors in 230V installations. A master sensor and up to 30 sensors can be easily plugged in with RJ12 plugs.

The detection areas of the sensors combined, result in one large detection area.

The following switching blocks are suitable for using a 1-10V sensor to dim the lighting depending on the available daylight.

Typical use: offices, large areas, warehouses or long corridors.

1 - 10 V



Switching block 230Vac for presence sensor 24Vdc with leading relays + 1-10V exit and radio controlled.

Max. switching power 2000 W
 Max. starting current 800 A
 Constant lighting control Yes
 Max. number of slave sensors 30 pcs.
 Length 231 mm
 Width 42 mm
 Height 32 mm

ART. NO. 871569

1 - 10 V + RF Remote controller



Switching block 230Vac for presence sensor 24Vdc with leading relays + 1-10V exit and radio controlled with the remote control 871573.

Max. switching power 2000 W
 Max. starting current 800 A
 Constant lighting control Yes
 Max. number of slave sensors 30 pcs.
 Length 231 mm
 Width 42 mm
 Height 32 mm

ART. NO. 871570 + 871573

DALI



Switch block 230Vac for presence sensor 24Vdc with leading relays. Usable with DALI fixtures.

Max. switching power 2000 W
 Max. starting current 800 A
 Constant lighting control Yes
 Max. number of slave sensors 30 pcs.
 Length 231 mm
 Width 42 mm
 Height 32 mm

ART. NO. 871571



Lighting control systems
 Quick reference guide for
 motion detectors

Presence detectors

Light control

Quick reference guide
detectors



Article number	870551	870550	870569	870580	870557	870620	870560	870851	870880	870602 + 870600
Type	PLF-IB-PIR/1U	PLF-IB-PIR	PLF-IB-PIR/Q	PLF-IB-PIR/80	PLF-IOB-PIR-UNI	PLFUNI-PIR/30D2	PLF-OPB-PIR	PLF-IB-US	IB-RAD-UNI	PLF-SSR-PIR/MIN
Technique	Presence detector									
Detection type	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red	Ultrasonic	Radar	Infra-red
Detection technique	Infra-red									
Mounting & connecting	Ceiling installation									
Mounting	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Ceiling installation	Fixture installation	Ceiling installation
Central installation box	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗
Fixture installation	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗
Connecting sensor to switching block	3-core cable	RJ12	RJ12	RJ12				RJ12		RJ12
Preconnected plug version	Wieland: 870942 Winsta: 870970	Wieland: 870940 Winsta: On request	Wieland: 870950 Winsta: On request	Wieland: 870944 Winsta: 870972	Wieland: 870960 Winsta: 870974	Wieland: 870965 Winsta: On request				

Detection	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →	See illustration →
Detection radius	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °	360 °
Optimal mounting height (meters)	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m	2,5 m
Detection range (meters)	6 m	7 m	8 m	10 m	7 m	30 m	7 m	6 m	6 m	5 m
Detection surface (square meters)	30 m²	40 m²	50 m²	80 m²	40 m²	700 m²	40 m²	30 m²	30 m²	20 m²
Max. mounting height (meters)	5 m	5 m	5 m	5 m	5 m	3 m	5 m	5 m	5 m	3 m
Detection range at max. height (meters)	8 m	10 m	8 m	20 m	8 m	30 m	10 m	8 m	8 m	6 m
Detection surface at max. height (square meters)	50 m²	165 m²	50 m²	315 m²	50 m²	700 m²	165 m²	50 m²	50 m²	25 m²

Electrical connection										
Connecting voltage range	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac
Contact(s)	Potential-free contact	Closing contact Potential-free contact	Closing contact	Closing contact Potential-free contact	Closing contact	Closing contact Potential-free contact	Closing contact Potential-free contact	Closing contact Potential-free contact	Closing contact	Closing contact
1-10V daylight regulations	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗

Switching & load										
Ohmic load	2200 W	2000 W	2000 W	2200 W	2000 W	2300 W	2000 W	2000 W	2200 W	2000 W
Inductively compensated combined load	1300 W / 140 µF	1300 VA / 100 µF	900 VA / 100 µF	1300 VA / 140 µF	900 VA / 100 µF	1000 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	1300 VA / 140 µF	900 VA / 100 µF
Max. amount of HF EVSA's	17	25	10	17	10	15	10	10	17	10
LED lighting	1000 VA	400 W	500 VA	1000 VA	500 VA	500 VA	500 VA	500 VA	1000 VA	500 VA
Halogen lighting	2000 VA	1000 VA / 600 W	1000 W	1000 VA / 600 W	1000 VA / 600 W	1000 VA / 600 W	1000 VA / 600 W	1000 VA / 600 W	1000 VA / 600 W	1000 VA / 600 W
Energy-saving lights	1300 W / 140 µF	900 VA / 100 µF	600 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF	900 VA / 100 µF

Other specifications										
IP value	IP 40	IP 44 (Sensor)	IP 20	IP 40	IP 44 (build-in)	IP 44 (build-in)	IP 41	IP 20	IP 20	IP 44 (sensor)
Max. amount of slave sensors	2	5	2	2	10		2		2	
Lux-setting	5 - 10.000 lux	10 - 10.000 lux	5 - 10.000 lux	5 - 10.000 lux	5 - 10.000 lux	10 - 2.000 lux	5 - 10.000 lux	10 - 10.000 lux	5 - 10.000 lux	5 - 10.000 lux
Time setting relay	6 sec - 30 min.	5 sec - 30 min.	1 sec - 30 min.	2 sec - 60 min.	5 sec - 30 min.	10 sec - 30 min.	6 sec - 30 min.	10 sec - 60 min.	6 sec - 30 min.	6 sec - 30 min.
Dimensions										
Dimensions switching block (L x W x H)	111x53x30 mm	135x58x31 mm	140x60x31,5 mm	150x58x34 mm			135x58x31 mm	90x51x31,5 mm	154x50x33 mm	
Build-in sensor diameters (ø)	65 mm	65 mm	65 mm	65 mm	65 mm	65 mm	65 mm	65 mm		16 mm

Accessories										
Slave sensor	870575	870555	870571	870585						870624
Sensor distribution plug	870589		870589							
Connection cable 5 meter (2x RJ12)	871600		871600							
Connection cable 10 meter (2x RJ12)	871605		871605							
Pairing component (2x RJ12)	183332		183332							
Remote control (basic)	870590		870590		870590					
Remote control (advanced)	870588	870625	870588	870625	870588					

* REMINDER:
The sensor 870602 does not include the switching block. You need to order one switching block per sensor 870600 (see specifications 870600 above).

Motion detectors



Article number	870500	870004	870050	870540	870544
Type	IB-PIR-100	P300-DUO-PROF	WATCHER-150	IB-PIR-WAND	IB-PIR-W/LED
Technique	Motion detector				
Detection type	Infra-red	Infra-red	Infra-red	Infra-red	Infra-red
Detection technique	Infra-red				
Mounting & connecting	Fixture installation				
Mounting	Fixture installation	Wall-mount	Wall-mount	Wall-mount	Wall-mount
Central installation box	✗	✗	✗	✗	✗
Fixture installation	✓	✗	✗	✗	✗
Connecting sensor to switching block	3-core cable	RJ12	RJ12	RJ12	RJ12
Preconnected plug version	Wieland: 870942 Winsta: 870970	Wieland: 870940 Winsta: On request	Wieland: 870950 Winsta: On request	Wieland: 870944 Winsta: 870972	Wieland: 870960 Winsta: 870974

Detection radius	360 °	300 °	300 °	195 °	180 °
Optimal mounting height (meters)	2,5 m	2,5 m	2,5 m	0,75 m	0,75 m
Detection range (meters)	6	16 m	16 m	8 m	8 m
Detection surface (square meters)	30 m²	680 m²	680 m²		
Max. mounting height (meters)		5 m	5 m		
Detection range at max. height (meters)		20 m	20 m		
Detection surface at max. height (square meters)		800 m²	800 m²		

Electrical connection					
Connecting voltage range	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac	220 - 240 V ac
Contact(s)	Potential-free contact	Potential-free contact	Closing contact	Closing contact	Closing contact
1-10V daylight regulations	✗	✗	✗	✗	✗

Switching & load					
Ohmic load	1000 W	2300 W	1000 W	1600 W	300 W
Inductively compensated combined load	max. 2x58VA/10µF	900 VA / 100 uF	max. 2x58VA/10µF	180 VA / 20 uF	100 W / 8µF
Max. amount of HF EVSA's	2	15	2	2	1
LED lighting	500 VA	500 VA	1000 VA	500 VA	100 VA
Halogen lighting	1000 W	1000 W	500 W (Hoogvolt)	1000 W	300 W
Energy-saving lights	100 VA / 10µF	600 VA / 100 µF	250 VA / 150 W	100 VA / 20µF	5 - 150 W

Other specifications					
IP value	IP 55 (Sensor)	IP 55	IP 55	IP 40	IP 40
Max. amount of slave sensors					
Lux-setting	5 - 10.000 lux	10 - 2.000 lux	5 - 10.000 lux	5 - 10.000 lux	5 - 10.000 lux
Time setting relay	6 sec - 20 min	5 sec - 30 min	5 sec - 30 min	5 sec - 30 min	5 sec - 30 min
Dimensions					
Dimensions switching block (L x W x H)	65x45x15 mm			50 mm	50 mm
Build-in sensor diameters (ø)	22 mm			50 mm	50 mm

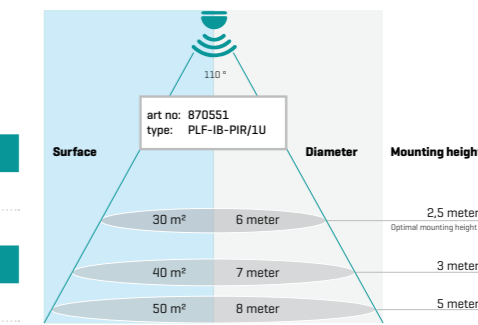
Slave sensor	870588				
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Detection range

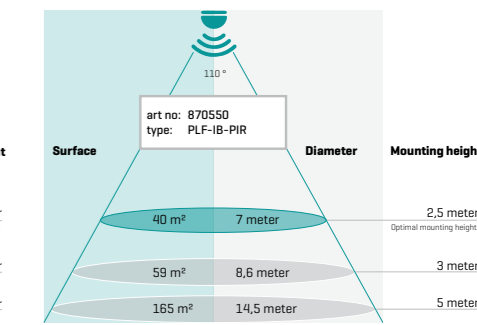
Although we suggest an optimal mounting height of 2.5 meters in our specifications, the Klemko sensors are suitable to be placed at higher heights. The illustrations below show the corresponding detection areas for each height.

A Klemko sensor works best at a mounting height between 2 and 5 meters.

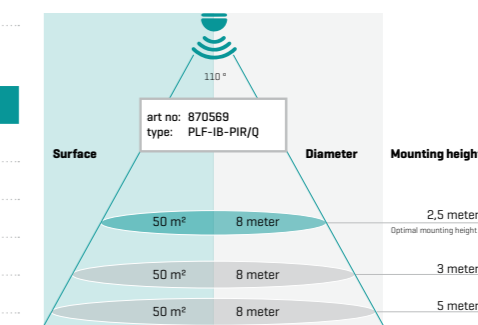
870551



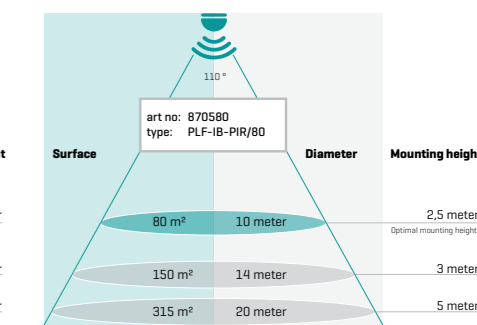
870550



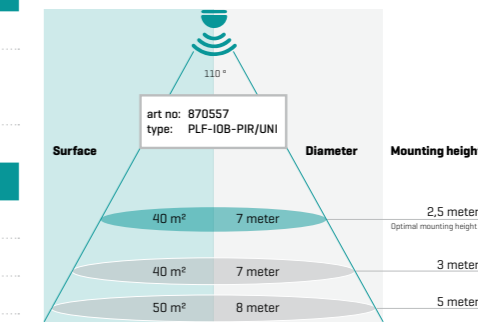
870569



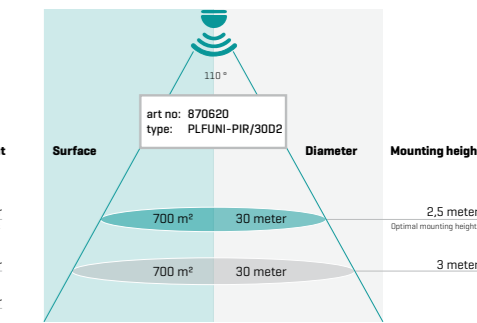
870580



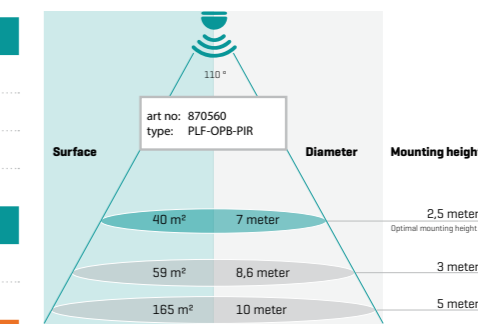
870557



870620



870560



870602

