

Unique...

Double relay output on 870550 and 870565.. both 10A cos phi 1.0. **Relay L'** : for control of lighting, lux value adjustable from dark to daylight level, time setting from 6 sec. to 12 min. **Relay D1-D2** : potential-free relay for controlling e.g.: lighting, ventilation, heating, air conditioning, camera/video etc. Time setting from 10 sec. to 30 min. Reacts light-independent.

Applications ...

Klemko presence detectors are ideal for switching on lights and other loads in offices, workplaces, toilets, corridors etc. Because the light is only switched on when someone is present, a considerable quantity of energy can be saved and a feeling of comfort, luxury and safety created.

Quality ...

Use of the super-sensitive **Quad elements** means that even a slight hand movement within the fine detection field is enough to trigger a detection pulse. **CE** and **FI** standards guarantee safety and stable quality.


Rapid installation...

Type 870550 and 870551 (integral) are easily mounted in a recess Ø 65mm. Separate sensors are available with 4 different lengths of connection wire to extend the detection field or couple direct to a bus system. For the switch blocks, special "Wieland caps" are available (item no. 870567) which are preconfigured for simple mounting of 2 leads to a switch block.

Also available for surface mounting, type 870560 (see page 01-2.A)

	Item no.	Klemko number		Specifications
	870550	PLF-IB-PIR This ceiling-mounted, passive infrared integral detector is easy to install in almost any suspended or system ceiling. The switch unit disappears through the Ø 65mm hole in the ceiling. After fitting the extra flat sensor, it is virtually invisible. The detection field can be aligned horizontally 350° and vertically 30°. The lens with ultra-sensitive Quad elements detects every movement. The settings are easy to change via the control panel. The detection field can be enlarged using the optional extra sensors.	240Vac	Relay output 1 : L' Output voltage : 220 - 240Vac (switched phase) Switch power : 10A cos phi 1.0 "Schrack" relay Fluorescent lamp : 1300W, 140µF Dulux lamps : 1000W, 140µF Lux value inst. : 5 Lux - daylightlevel Time setting : 6 sec. - 12 min. LED display : integral red LED Relay output 2 : D1 + D2 Output : Potential-free contact Switch power : 10A cos phi 1.0 Lux value inst. : none, (also switches at daylight level). Time setting : 10 sec. - 30 min. LED display : integral, yellow LED Detection angle : 360° Detection field : 220 zone (no dead corners) Detection range : 30m² Adjustable (floor level for installation height 2.4m) Lens masks : multi-segmented Sensor : 4 super-sensitive Omniview Quadelements Screening : IP40 / II Temperature : -10°C - +45°C Prod. standards : CE / Fimko FI
	870552	PLFIBPIR/S 3 meter lead		
	870553	PLFIBPIRS6 6 meter lead		
	870554	PLFIBPIRS8 8 meter lead		
	870555	PLFIBPIRS10 10 meter lead Extra sensors for extension of the 870550 and 870565 (PLF-IB-PIR). The sensors are fitted with extra wires. The detection field is enlarged by using 2 sensors on one switch unit. See tab sheet 7 for bus systems.		
	870565	SCHAKELBL/2U Separate switch block with two relay outputs.	240Vac	

The Klemko presence detectors with double relay output can also be fitted as absence detectors.

Item no.	Klemko number		Specifications
	870551	PLF-IB-PIR/1U This ceiling-mounted, passive infrared integral detector is easy to install in almost any suspended or system ceiling. The switch unit disappears through the Ø 65 mm hole in the ceiling. After fitting the extra flat sensor, it is virtually invisible. The detection field can be aligned horizontally 350° and vertically 30°. The lens with ultra-sensitive Quad elements detects every movement. The settings are easy to change via the control panel. The detection field can be enlarged via the optional extra sensors.	240Vac Relay output 1 : L' Output voltage : Potential-free contact Switch power : 10A cos phi 1.0 "Schrack" relay Fluorescent lamp : 1300W, 140µF Dulux lamps : 1000W, 140µF Lux value inst. : 5 Lux - daylightlevel Time setting : 6 sec. - 12 min. LED display : integral red LED Detection angle : 360° Detection field : 220 zone (no dead corners) Detection range : 30m² Adjustable (floor level for installation height 2.4m) Lens masks : multi-segmented Sensor : 4 super-sensitive Omniview Quadelements Screening : IP40 / II Temperature : -10°C - +45°C Prod. standards : CE / Fimko FI
	870572	PLFIBPIR/1U/S 3 meter lead	
	870573	PLFIBPIR1US6 6 meter lead	
	870574	PLFIBPIR1US8 8 meter lead	
	870575	PLFIBPIR1US10 10 meter lead Extra sensors for extension of the 870551 and 870566 (PLF-IB-PIR). The sensors are fitted with extra wires. The detection field is enlarged by using 2 sensors on one switch unit. See tab sheet 7 for bus systems.	
870566	SCHAKELBL/1U Separate switch block with one relay output.	240Vac	

870580 PLF-IB-PIR/80

To be used as presence or absence detector, system with double detection field of 80m² floor area. The field is conical viewed from the sensor, and covers 30m² as presence detector and 50m² as movement sensor. Fitted with a multi-segmented lens mask so that the detection field can be aligned as required. This presence detector is fitted with two relay outputs. These relays are fitted as standard with extra run-up contacts made from Tungsten, which makes the relay contacts resistant to high input currents of max. 800 A 2ms (parallel-compensated armatures) and counter-voltages (inductive armatures and motors). Each relay has its own independent time setting which can be adjusted in steps. Relay 1 is a switched phase (L1) and relay 2 the same switched phase (L1) supplied via a 10A fuse. This fuse is easy to remove, making relay 2 potential-free. Relay 1 is lux-dependent and relay 2 lux-independent. An extra function is the "Power on/off" status, which determines whether relay 1 is switched on when the power supply is connected. On large installations, this prevents a high input current occurring when a main switch or sweep switch is operated.

Ease of installation

The detector is specially designed to be installed in minimum time and is very quick to adjust. Coupling the sensor and switch block via an RJ-11 connector is simple. The cover cap is preconfigured for wire/plug assemblies such as "Wieland". The supply block is fitted with a double neutral and earth. All sensor controls can be reached directly by pulling the sensor vertically down, and the five controls can be set directly to the desired level. The infrared remote control IR-10 also allows all operational settings to be changed from a distance of 3 meters. The scale marking is directly visible around the knobs. The sensor is fitted with a red LED which lights only on detection, so the detection field can easily be identified or illuminated when a change is made via the IR-10. The separate sensors can also be used for bus systems with a connection value of 12Vdc via an open collector output (max. 20mA).




Extensions




In total 4 sensors can be connected to a switch block, so the total detection field can be extended from 80m² to 320m². For this, a plug adapter (item no. 870589) is available separately which can feed 2 sensors per sensor output.

The outputs of several switch blocks can also be switched parallel to control more than 320m². For this we advise using an auxiliary relay which is controlled in parallel by the switch blocks.

Item no.	Specifications
	<p>870580 PLF-IB-PIR/80</p> <p>Connection voltage : 230Vac 50Hz</p> <p>Relay output 1</p> <p>Output voltage : 230Vac switched phase</p> <p>Switch power : 10A cos phi = 1.0 Ohmic load</p> <p>Fluorescent lamps : 1300W 140µF</p> <p>Dulux lamps : 1000W 140µF</p> <p>Halogen lamps HV : 1200W</p> <p>Halogen lamps LV : 1000VA</p> <p>Lux value setting : 10 Lux - daylight in 6 steps</p> <p>Time setting : 2 sec - 60 min + pulse 1 sec.</p> <p>Delayed switch on : adjustable on/off</p> <p>Time delay on : t=45 seconds after power supply, then dependent on detection pulse</p> <p>Relay output 2</p> <p>Output voltage : 230Vac switched phase</p> <p>Output voltage 230V : after removal of fuse, relay output 2 is potential-free</p> <p>Switch power : 10A cos phi = 1.0 Ohmic load</p> <p>Fluorescent lamps : 1300W 140µF</p> <p>Dulux lamps : 1000W 140µF</p> <p>Halogen lamps HV : 1200W</p> <p>Halogen lamps LV : 1000VA</p> <p>Lux value setting : lux-independent</p> <p>Time setting : 2 sec. - 60 min.</p> <p>Lens : 3D semi-globular lens</p> <p>4 PIR elements : quad design 960 zones</p> <p>LED display : via red LED (only on detection or setting via remote control)</p> <p>Detection range : adjustable</p> <p>Detection angle : 360°</p> <p>Detection field H=2.5m : 960 Zones</p> <p>Detection range (diameter) : 10m, beam is 5m</p> <p>Detection field distribution : circle R = 3 m presence, R 5 to 10m movement</p> <p>Diameter of hole : 65mm</p> <p>Lens masks : multi-segmented</p> <p>No. sensors per block : min. 1 to max. 4</p> <p>Sensor connection : via RJ 11 conn. Simple to install (2 inputs)</p> <p>IR receiver : fitted behind sensor lens</p> <p>Protection : IP 40 / II (sensor)</p> <p>Temperature : -10°C to + 45°C</p> <p>Earth connection : via integral screw block</p> <p>Cable input : prepared for plugs</p> <p>Production standards : CE / TÜV</p> <p>RoHS : fully complies</p>
	<p>870588 IR-10</p> <p>Remote control</p> <p>Supply : button cell 3Vdc (CR2032 - Duracell)</p> <p>Range : 3m</p> <p>Angle : 35°</p> <p>Settings : time relay 1 + time relay 2, Lux value R1 10 - 1000 Lux, test</p> <p>Memory : via memo button, pass settings to several sensors separately</p> <p>Intelligent key : reads the light level present as a lux level above which relay 1 no longer switches on.</p> <p>Bridge relays 1 / 2 : continuous on / off button; sensor is overruled for max. 8 hours</p>
	<p>870590 IR-02</p> <p>Remote control</p> <p>Supply : button cell 3Vdc (CR2032 - Duracell)</p> <p>Range : 3m</p> <p>Angle : 35°</p> <p>Bridge relays 1 / 2 : continuous on / off button; sensor is overruled for max. 8 hours</p>
	<p>870589</p> <p>Distribution plug : to connect 2 sensors to one RJ-11 input</p>
	<p>870585 PLFIBPIR80S2U</p> <p>Separate sensor</p> <p>Connection voltage : for bus system 12Vdc</p> <p>Output : NPN open collector output 2 x (max 20mA)</p>


PASSIVE INFRA RED PRESENCE DETECTORS


	Item no. Klemko number	Specifications
	<p>871500 AWD-230-IS 230 Vac</p> <p>Compact presence detector with superior detection sensitivity which, after installation in suspended ceiling, controls lighting and other loads virtually invisibly. Fitted with a relay output and fully adjustable in time and lux value. Fitted with an integrated lens mask to reduce the large detection field. Installation height varies from 2.6 to max 5m. The unique fixing clamp makes the sensor quick and easy to install. Extra accessories such as surface-mount housing and mounting frame are available separately. Connected via a 3-pin connection plug (not supplied as standard).</p>	<p>Connection voltage : 230Vac 50Hz Output : relay 1 x make contact m < 1.2mm</p> <p>I input : 25A switch power TL lighting : HF EVSA 2 x 2 x 58W Parallel comp. : via auxiliary relay Ohmic load : 200W Halogen : low voltage 200VA Lux value adj. : 100 - 1000 Lux Time setting : 10 sec - 14 min LED display : red LED on detection Detection angle : 360 Detection field : H=2.6m rectangle 5.89 x 7.34m Detection field : H=3.2m to 5m rectangle 7.24 x 9.04m</p> <p>Lens mask : integral, removable Hole : 45mm Temperature : 0 to +50°C Fuse : glass T1.6 H250Vac Connection : 3-pin plug, item no. 871559 or 871558 Production standard : CE</p>
	<p>871505 AWD-230-V5 230 Vac 871510 AWD-230-V10 230 Vac</p> <p>Compact presence detector with superior detection sensitivity which, after installation in suspended ceiling, controls lighting and other loads virtually invisibly. Fitted with a relay output and fixed time setting. Lux-independent. Fitted with an integrated lens mask to reduce the large detection field. Installation height varies from 2.6 to max. 5m (871505) or 2.6 to max. 10m (871510). The unique fixing clamp makes the sensor quick and easy to install. Extra accessories such as surface-mount housing and mounting frame are available separately. Connected via a 3-pin connection plug (not supplied as standard).</p>	<p>Connection voltage : 230Vac 50Hz Output : relay 1 x make contact m < 1.2mm</p> <p>I input : 25A switch power TL lighting : HF EVSA 2 x 2 x 58W Parallel comp. : via auxiliary relay Ohmic load : 200W Halogen : low voltage 200VA Lux value adj. : no, lux-independent Time setting : 10 min Detection angle : 360° Detection field : 871505 H=2.6m rectangle 5.89 x 7.34m Detection field : 871505 H=3.2m to 5m rectangle 7.24 x 9.04m Detection field : 871510 H=2.6m rectangle 6.24 x 7.80mm Detection field : 871510 H=6.25m to 10m rectangle 15.00 x 15.75m</p> <p>Lens mask : integral, removable Hole : 45mm Temperature : 0 to +50°C Fuse : glass T1.6 H250Vac Connection : 3-pin plug, item no. 871558 or 871559 Production standard : CE</p>
	<p>871558 STE-AWD-230 230 Vac</p> <p>871559 STE-AWD-IS230 230 Vac</p> <p>871580 MONT-RAAM</p> <p>871585 OPB-HUIS</p>	<p>3-pin plug without tension relief, for AWD presence detectors 230Vac (item nos. 871500 / 871505 / 871510).</p> <p>Fully insulated 3-pin plug with tension relief for AWD presence detectors 230Vac (item nos. 871500 / 871505 / 871510).</p> <p>Mounting frame for AWD presence detectors for use on surface-mounting housing (item no. 871585) or on an existing flush-mounted socket.</p> <p>Surface-mounting housing for fitting AWD presence detectors if no flush-mounted socket is available. Not to be used without mounting frame (item no. 871580).</p>

Item no.	Klemko number	Specifications
	<p>871550 AWD-S-24-I5 24 Vdc Very compact 24V presence detector with superior detection sensitivity which, after installation in a suspended ceiling, controls lighting and other loads almost invisibly. Fitted with an open collector output and fully adjustable in time and lux value. For use with a standard switch block (871565 / 871567) or coupled as a sensor to a bus system. Fitted with an integrated lens mask to reduce the large detection field. Installation height varies between 2.6 and max. 5m. The unique fixing clamp makes the sensor quick and easy to install. Extra accessories such as surface-mount housing and mounting frame are available separately.</p> <p>871557 AWD-S24VI-10V 24Vdc - Vac Separate sensor with specifications equal to 871550 but instead of lux value setting as a switch threshold, this is fitted with an adjustable analog 1 - 10V output. This can control the light level of HF fittings direct. After the last detection has taken place and the set time has elapsed, the movement output is switched off. The analog 1 - 10V output remains active.</p> <p>871561 AWD-S24VI10mu 24Vdc - Vac Separate sensor with specifications equal to 871557, but after the last detection has taken place and the set time has elapsed, the movement output and the analog 1 - 10V output are switched off.</p>	<p>Connection voltage : 24Vdc (via switch block 871565, 871567)</p> <p>Connection voltage range : 10.8 - 28Vdc (bus systems)</p> <p>Output : open collector max. 15mA</p> <p>Lux value adjustment : 100 - 1000 Lux</p> <p>Time setting : 10 sec - 14 min</p> <p>LED display : red LED on detection</p> <p>Detection angle : 360°</p> <p>Detection field : H=2.6m rectangle 5.89 x 7.34m</p> <p>Detection field : H=3.2m to 5m rectangle 7.24 x 9.04m</p> <p>Lens mask : integral, removable</p> <p>Ceiling hole : 45mm</p> <p>Temperature : 0 to +50°C</p> <p>Switch block connection : connecting cable supplied with switch block</p> <p>Connection to bus system : AWD-24 connection cable (not supplied)</p> <p>Production standard : CE</p>
	<p>871555 AWD-SA-24-V5 24Vdc Very compact 24V presence detector with superior detection sensitivity which, after installation in a suspended ceiling, controls lighting and other loads almost invisibly. Fitted with an open collector output and a fixed time setting. Switches independently of lux value. For use in combination with a standard switch block (871565 / 871567) or as a sensor on a bus system. Fitted with an integrated lens mask to reduce the large detection field. Installation height varies between 2.6 and max. 5m. The unique fixing clamp makes the sensor quick and easy to install. Extra accessories such as surface-mount housing and mounting frame are available separately.</p> <p>871556 AWD-S-24Vac 24Vac Separate sensor equal to 871555 but only suitable for 24Vac bus systems such as Priva.</p>	<p>Connection voltage : 24Vdc (via switch block 871565, 871567)</p> <p>Connection voltage range : 10.8 - 28Vdc (bus systems)</p> <p>Output : open collector max. 15mA</p> <p>Lux value adjustment : independent</p> <p>Time setting : 10 min</p> <p>Detection angle : 360°</p> <p>Detection field : H=2.6m rectangle 5.89 x 7.34m</p> <p>Detection field : H=3.2m to 5m rectangle 7.24 x 9.04m</p> <p>Lens mask : integral, removable</p> <p>Ceiling hole : 45mm</p> <p>Temperature : 0 to +50°C</p> <p>Switch block connection : via connecting cable supplied with switch block</p> <p>Connection to bus system : AWD-24 connection cable (not supplied)</p> <p>Production standard : CE</p>
	<p>871575 AWD-24-ASLKBL 24Vdc</p>	<p>Connection cable for 24V AWD presence detectors. 1x RJ12 to 4-pin screw connector.</p>

SWITCH BLOCKS FOR PRESENCE DETECTORS 24V

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Item no. Klemko number	Specifications
 <p>871565 SB-EPV-MD 871566 SB-EPV-MD/APP</p> <p>Switch block for use with presence detectors 871550, 871555 maximum 4 detectors. Item numbers 871566 and 871568 are not fitted with cover caps with tension relief and are suitable for integration directly into equipment. The switch and supply block for 24Vdc presence detectors is connected to 230Vac. After detection by one detector, relay 1 is switched and connects phase 230Vac. The time duration of relay 1 is determined by the detector setting. Relay 2 is a potential-free, time-adjustable run-on relay. The relay is switched on automatically as soon as the time set for relay 1 elapses. The run-on time can be set fully adjustable between 10 sec and 14 min on the top of the switch block and applies to both relays.</p> <p><u>Application example.</u></p> <p>On detection, the TL light is switched 100% by relay 1. After expiry of the set time for relay 1, relay 2 also switches in and keeps the light on at a set X percent light level for a preset time. On expiry of this time, both relays are switched off until detection occurs again. A minimum of 1 and maximum of 4 detectors can be supplied with 24Vdc through the switch block.</p>	<p>Connection voltage : 230Vac 50Hz Output 1 : relay-switched phase Switch power : max. 4 x 2 x 58W EVSA TL lighting</p> <p>TL-compensated : via auxiliary relay Relay : 10A Ohmic load : 1000W Halogen : 800VA Time setting : set via detector Output 2 : potential-free, adjustable run-on relay</p> <p>Time setting : 10 sec - 14 min Own consumption : 1.5VA Sensors : minimum 1, maximum 4 Connection detector 1 : 1x via connecting cable supplied Connection detector 2-4 : via connecting cable item no. 871575 (not supplied)</p> <p>Temperature : 0 to +50°C Protection : interior use Production standard : CE</p>

 <p>871567 SB-EPV-ZD 871568 SB-EPV-ZD/APP</p> <p>Switch block for use with presence detectors 871550, 871555 maximum 4 detectors. Item numbers 871566 and 871568 are not fitted with cover caps with tension relief and are suitable for integration directly into equipment.</p> <p>The switch and supply block for 24Vdc presence detectors is connected to 230Vac. After detection by one detector, the relay is switched and connects phase 230 Vac. The time duration of connection is determined by the detector setting. Minimum 1 and maximum 4 detectors can be supplied with 24Vdc from the switch block.</p>	<p>Connection voltage : 230Vac 50Hz Output : relay-switched phase Switch power : max. 4 x 2 x 58W EVSA TL lighting</p> <p>TL-compensated : via auxiliary relay Relay : 10A Ohmic load : 1000W Halogen : 800VA Time setting : set via detector Own consumption : 1.5VA Sensors : minimum 1, maximum 4 Connection detector 1 : 1x via connecting cable supplied Connection detector 2-4 : via connecting cable item no. 871575 (not supplied)</p> <p>Temperature : 0 to +50°C Protection : interior use Production standard : CE</p>
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P.I.R. surface-mount switches **klemko**[®]

PASSIVE INFRA-RED PRESENCE DETECTORS

Unique...

Double relay output 10A cos phi 1.0. **Relay L'** : for control of lighting, lux value adjustable from dark to daylight level, time setting from 6 sec. to 12 min. **Relay D1-D2** : potential-free relay for controlling e.g.: lighting, ventilation, heating, air conditioning, camera/video etc. Time setting from 10 sec. to 30 min. Reacts light-independent.

Applications ...

Klemko presence detectors are ideal for switching on lights and other loads in offices, workplaces, toilets, corridors etc. Because the light is only switched on when someone is present, a considerable quantity of energy can be saved and a feeling of comfort, luxury and safety created.


Quality ...

Use of the super-sensitive **Quad elements** means that even a slight hand movement within the fine detection field is enough to trigger a detection pulse. **CE** and **FI** standards guarantee safety and stable quality.

Rapid installation ...

Type 870560 (surface-mount) is fitted with a universal surface-mounting plate with a screw block connection and a break-out port for inlet of the P-25 cable duct. The mounting plate fits almost all central sockets. The detection unit is simply connected using the plug-in connector.

Also available for flush-mounting, type 870550 (see page 01-1.A)



Item no.	Klemko number		Specifications
	870560	PLF-OPB-PIR	240Vac
	<p>This ceiling-mounted, passive infrared detector is suitable for installation on any ceiling in a modern styled house. The flat housing has a circular diameter of 112.5mm and a depth of 38.5mm. With a break-out port specially designed for P-25 cable ducts, this detector is easy to install.</p>		<p>Relay output 1 : L' Output voltage : 220 - 240Vac (switched phase) Switch power : 10A cos phi 1.0 Ohms Fluorescent lamp : 400VA parallel comp. Fluorescent lamp HF : 120VA Halogen elect. : 300VA Dulux/PLL : 300VA Lux value adj. : 5 lux - daylight level Time setting : 6 sec. - 12 min. LED display : integral, red LED</p> <p>Relay output 2 : D1 + D2 Output : potential-free contact Switch power : 10A cos phi 1.0 Lux value adj. : none, (also switches at daylight level). Time setting : 10 sec - 30 min LED display : integral yellow LED Detection angle : 360° Detection field : 220 zone (no dead corners)</p> <p>Detection range : 30m² Adjustable (floor level for installation height 2.4m)</p> <p>Lens mask : multi-segmented Sensor : 4 super-sensitive Omniview Quad elements</p> <p>Protection : IP40 / II Temperature : -10°C - +45°C Prod. standards : CE / Fimko FI</p>
	<p>2 relays</p>		

The Klemko presence detectors with double relay output can also be fitted as absence detectors.




P.I.R. surface-mount switches *klemko*[®]

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PASSIVE INFRA RED MOVEMENT SENSORS



Item no.	Klemko number		Specifications
 <p data-bbox="156 947 491 1003">IB-PIR-360 mounted virtually invisibly in light housing</p>	<p data-bbox="517 315 951 353">870520 IB-PIR-360</p> <p data-bbox="632 360 951 517">The IB-PIR-360 is suitable for horizontal and vertical installation in fittings, appliances, machines etc. The TL bracket supplied means the sensor can easily be mounted in a TL fitting.</p>	<p data-bbox="956 315 1058 353">240Vac</p>	<p data-bbox="1062 360 1522 488">Ohmic load : 1000W Induct. load : 250VA Fluorescent lamp parallel comp. : 200VA Fluorescent lamp HF : 80VA</p> <p data-bbox="1062 495 1522 622">Vertical installation Detection angle : 360° Detection range : 30m² adjustable Detection field : adjustable over 25° in all directions</p> <p data-bbox="1062 629 1522 837">Horizontal installation Detection angle : 120° Detection range : 8 x 8m adjustable Detection field : adjustable over 25° in all directions Time setting : 6 sec. - 5 min. Lux value adj. : 5 Lux - daylight level Detection range : fully adjustable</p> <p data-bbox="1062 844 1522 972">Dimensions Switch unit : L65 x W45 x H20mm Sensor eye : Ø 33mm Sensor cable length : 22cm Relay status : via red LED in sensor eye</p> <p data-bbox="1062 994 1522 1046">Protection : sensor after flush installation IP44</p> <p data-bbox="1062 1046 1522 1097">Temperature range : -20°C - +45°C Standards : CE / TÜV</p>
 <p data-bbox="156 1776 507 1809">IB-PIR-100 in down-lighter</p>	<p data-bbox="517 1173 951 1211">870500 IB-PIR-100</p> <p data-bbox="632 1218 951 1547">The Klemko IB-PIR-100 is a movement sensor for universal installation purposes. The separate detection unit and switch unit are connected together via a 35cm long cable. The time, lux value and detection range are adjustable. The small dimensions and separate installation possibilities make this product practically universal. The bush for sealing the sensor is also available in black.</p>	<p data-bbox="956 1173 1058 1211">240Vac</p>	<p data-bbox="1062 1218 1522 1361">Ohmic load : 1000W Induct. load : 250VA Fluorescent lamp parallel comp. : 200VA Fluorescent lamp HF : 80VA Own consumption : approx. 0.5W</p> <p data-bbox="1062 1368 1522 1480">Vertical installation Detection angle : 360° Detection range : 30m adjustable at a height of 2.5m</p> <p data-bbox="1062 1487 1522 1599">Horizontal installation Detection angle : 100° Detection range : 6m adjustable at a height of 2.4m</p> <p data-bbox="1062 1606 1522 1800">Time setting : 6 sec. - 20 min. Lux value on : 5 Lux - daylight level Ambient temp. : -20 - +45°C Diameter sensor : Ø21mm Sensor seal : IP55 Switch unit lwxh : 65x45x20mm Sensor cable length : 35cm Standards : CE / TÜV</p>
	<p data-bbox="517 1856 951 1895">870506 IB-PIR-100/42</p> <p data-bbox="632 1901 951 1995">Like the IB-PIR-100, but with different connection voltage of 42Vac for use in places where 230Vac cannot be used.</p>	<p data-bbox="956 1856 1058 1895">42Vac</p>	<p data-bbox="1062 1901 1522 1939">Load : 5A max.</p>

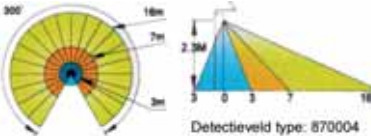
PASSIVE INFRA RED MOVEMENT SENSORS

Item no.	Klemko number		Specifications
 <p>3-wire relay</p>	870540 IB-PIR-WAND	240Vac	<p>The IB-PIR-WAND is a movement sensor for direct mounting in the wall box to replace a normal switch. The detection angle of 195° means you cannot pass this detector unseen. The IB-PIR-WAND is connected with three wires but can also be operated manually.</p> <p>Ohmic load : 1600W Induct. load : 200VA Switch-on time : 6 sec. - 12 min. Lux value adj. : 5 Lux - daylight level Detection range : 8m adjustable, height 1m Detection angle : 195° Installation height : between 80 - 120cm Protection : IP40, indoor application Temperature : -10°C - +45°C Function switch : A (automatic via sensor) O (off) 1 (constantly on)</p> <p>Reduction angle : via lens mask Fuse : 10A, 5x20mm Standards : CE / TÜV</p>
 <p>2-wire triac</p> <p>Not suitable for PL and TL lamps</p>	870542 IB-PIR-W/T	240Vac	<p>The IB-PIR-WAND is a movement sensor for direct mounting in the wall box to replace a normal switch. The detection angle of 195° means you cannot pass this detector unseen. The IB-PIR-W/T is connected with two wires but also operated manually. It is also possible via the trigger input to couple several movement sensors in series for hotel or junction switching.</p> <p>Ohmic load : 40 - 400W Halogen LV : 40 - 150W Switch-on time : 6 sec. - 12 min. Lux value adj. : 5 Lux - daylight level Detection range : 8m adjustable, height 1m Detection angle : 195° Installation height : between 80 - 120cm Protection : IP40, indoor application Temperature : -10°C - +45°C Function switch : A (automatic via sensor) O (off) 1 (constantly on)</p> <p>Reduction angle : via lens mask Fuse : 10A, 5x20mm Standards : CE / TÜV</p>
 <p>2-wire triac</p> <p>Not suitable for PL and TL lamps</p>	870544 IB-PIR-W/TZS	240Vac	<p>The IB-PIR-WAND is a movement sensor for direct mounting in the wall box to replace a normal switch. The detection angle of 195° means you cannot pass this detector unseen. The IB-PIR-W/TZS is connected with two wires but <u>cannot</u> be operated manually. It is also possible via the trigger input to couple several movement sensors in series for hotel or junction switching.</p> <p>Ohmic load : 40 - 400W Halogen LV : 40 - 150W Switch-on time : 6 sec. - 12 min. Lux value adj. : 5 Lux - daylight level Detection range : 8m adjustable, height 1m Detection angle : 195° Installation height : between 80 - 120cm Protection : IP40, indoor application Temperature : -10°C - +45°C Function switch : no, only automatic via sensor</p> <p>Reduction angle : via lens mask Fuse : 10A, 5x20mm Standards : CE / TÜV</p>

P.I.R. surface-mount switches **klemko**[®]

PASSIVE INFRA RED MOVEMENT SENSORS

Item no.	Klemko number	Specifications
  3-wire relay	870546 IB-PIR-W/10MG	240Vac
	<p>The IB-PIR-W/10MG is suitable for indoor applications. The sensor fits in almost all flush-mount wall sockets and can be finished with almost any make of single or multiple cover frame (sensor dimensions = 50 x 50mm). The ideal installation height is between 1.20m and 2m; when mounted lower than 1.20m, the length of the detection field diminishes. The sensor is fitted with an advanced microprocessor so that many functions and features are available.</p> <p>Key features:</p> <ul style="list-style-type: none"> * Self-learning lux value status. * Neutral switching to prevent high input currents (up to 100µF). * High, adjustable sensitivity. * 3 detection zones so the sensor can be placed above a door. * Master/slave inputs so the sensors are easy to couple together. * Trigger input to activate the sensor via external switches. * Warning signal 15 seconds before the relay switches after selecting on or off. * Setting control panel concealed behind cover cap. * Selection switch for continuous on (maximum 2 hours) or continuous off. * Time setting via fixed steps can be set precisely. * Pulse setting to couple sensor to external systems. 	<p>Connection voltage : 230Vac 50Hz Load : 10A cosphi=1 Ohmic load : 2000W Halogen lamp HV : 1200W Halogen lamp LV : 1000VA Fluorescent : 900VA max. 100µF Inductive load : 600VA Connection duration : 20 sec. - 30 min. Test status : 2 sec., lux-independent, LED in operation Pulse status (cycle) : 1 sec. on - 9 sec. off Trigger input : T via pulse switch normally open Parallel trigger input : P by coupling several sensors together (Master / Slave) Lux value setting : 5 Lux - daylight level, 4 steps + slave status Learning lux value : in intelligent status, the lux level present is read. Detection range : 9m adjustable, installation height 1.20 - 1.5m Detection range : 8m adjustable, installation height 1.80 - 2.0m Detection angle : 200° three zones Protection : IP40, indoor application Temperature : 0°C to +45°C Function switch : Auto (automatic via sensor) OFF ON (constant on max. 2 hours) Warning off : Adjustable on/off, via rising "beep" tone for 15 seconds. Reduction angle : Via multi-segmented lens mask Fuse : 10A, 5x20mm Standards : CE, TÜV</p>

  	870002 P240 DUO-PROF	240Vac	Switch power : L' 14A Fluorescent lamp : 3000W Ohms Fluorescent lamp HF : 500VA Inductive Halogen HV : 150VA Halogen LV : 1500W
	870004 P300 DUO-PROF	240Vac	max.120W Ohms 0 - 60% adjustable Detection angle : 870002=240° 870004=300° Creep detection angle : 360°.. beam 3m straight downwards Lux value adj. : 5 - 300 Lux Day function status : > 50,000 Lux Time setting : 6 sec. - 12 min. Rotation dect. head : vertical 0..90° horizontal -60° to +60° Detection range : 3m to 16m - sensitivity : adjustable - delimitation : using the lens segments supplied, from 10° per segment Protection : IP45 Temperature : -25°C - +45°C Prod. standards : CE / TÜV

Dual output!


You can connect a bulb to this extra output for atmospheric and/or background lighting. This lamp, up to maximum 120W, can be dimmed from 0 to 60%. Connection via the integral dimmer switch. After detection has occurred, the lamp power is raised to 100%. When the switch no longer detects movement, the power is reduced back to the percentage set.

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Products from: **KLEMKO Techniek B.V.**

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PASSIVE INFRA RED MOVEMENT SENSORS

Item no.	Klemko number		Specifications
	870050 WATCHER-150	240Vac	<p>Simple but high quality infrared movement sensor. The switching time, lux value and detection distance are adjustable. The Watcher 150 is suitable for surface-mounting and also for flush-mounting. Due to the compact dimensions, this product has many possible applications.</p> <p>Max. load : 1000W Ohms : 500W Halogen</p> <p>Detection angle : 150°</p> <p>Detection distance : 12 m forwards 6m sideways</p> <p>Switching time : adjustable from 6 sec. - 12 min.</p> <p>Settings : normal or test status</p> <p>Lux value : adjustable daylight value</p> <p>Detection settings : sensor sensitivity</p> <p>Protection : IP44</p> <p>Temperature : -20°C - +45°C</p> <p>Prod. standards : CE / TÜV</p> <p>Deviating WATCHER-12V</p> <p>Connection voltage : 12Vac/dc</p> <p>Ohmic load : 5A (cos phi 1.0) potential-free contact</p> <p>Detection angle : 180°</p> <p>Switching time : 6 sec. - 2 min.</p> <p>Rest current : 0.2mA</p>
	870052 WATCHER-12V	12Vac/dc	<p>Like 870050 but for 12V, suitable for battery and solar systems due to the low rest current</p>

EXTERNAL LIGHT SWITCH

Item no.	Klemko number		Specifications
	871090 BLS-4S	250Vac	<p>Connection voltage : AC 250V / 50Hz</p> <p>Output : 10A</p> <p>Switch power : 2000W</p> <p>Colour : Polar white, RAL 9010</p> <p>Installation depth : 30mm</p> <p>Wall plate : 80.5 x 80.5 x 11.5mm</p> <p>Switch panel : 55.5 x 55.5 x 9.8mm</p> <p>Production standard : CE</p>
	<p>External light switch for illumination controlled by a PIR movement sensor. The switch is fitted with four states, so the installation can perform 4 functions.</p> <p>Functions</p> <p>0 Fully off Lighting is not turned on by the movement sensor.</p> <p>1 Continuous on Movement sensor is bridged and light is on continuously.</p> <p>A Automatic Movement sensor controls the lighting according to settings.</p> <p>1x Temporarily on This status is set manually and returns to automatic under spring tension. This activates the movement sensor for one cycle.</p> <p>On request, available splash-proof for external applications. Also available with other makes of cover frame.</p>		