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**MOTION SENSOR
(PIR)**

DR-06W

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: www.fif.com.pl/reklamacje



Do not dispose of this device to a garbage bin with other unsorted waste! In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.

Purpose

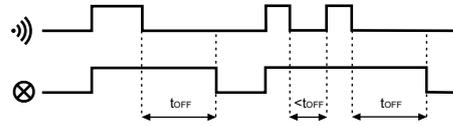
The motion sensor is used for automatic and temporary light switching if a person or other object enters places such as hallways, courtyards, driveways, garages, etc.

Operation

The sensor detects the infrared radiation sources. It analyzes the parameters such as the size of the object, the amount of heat emitted and the speed of movement between sectors of detection. Movement in the detection area will automatically switch on the lighting. From this moment the light will stay on, as long as the sensor detects continuous movement. Only the lack of movement in the detection area triggers the lighting support time. Another movement in the detection area and its subsequent disappearance during the measured time resets the support time to the beginning. The specific of operation allows to use the DR-06 as a presence sensor. The motion sensor is equipped with a twilight sensor to prevent switching the lighting on during the day. Detection status and standby to switch on the lighting are activated only after dark. The activation time of the sensor can be

adjusted by the user with potentiometer. In addition, user can adjust the area of detection within a range of 1 to 5 meters radius (for $h = 2.5 \div 3.5$ m) and the switching time of the receiver within a range of 3 s to 12 min. Changes in temperature can affect the motion detection. The motion sensor can work indoors and outdoors in places not directly exposed to rain or snow and where there is no risk of splashing the sensor casing and its electrical terminals with water or other liquid.

Diagram



Note!

If the motion sensor is installed too close to the light source it switches, the system may activate, i.e. the sensor will spontaneously turn the light source on and off. It is necessary to move the sensor to an appropriate distance away from the light source it activates.

Settings

The detection area (range)

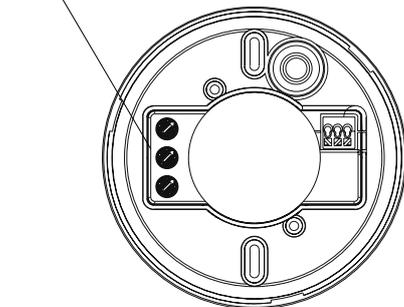
The radius of sensor detection can be adjusted within the range of 1 m to 5 m (parameters specified for the sensor mounted at a height of 2.5÷3,5 m). Turning the control knob right [+] increases the area of the detection, turning left [-] reduces the area of the detector.

Switch-on time

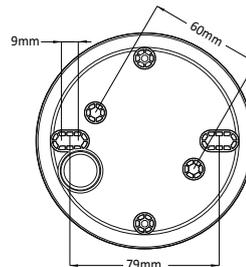
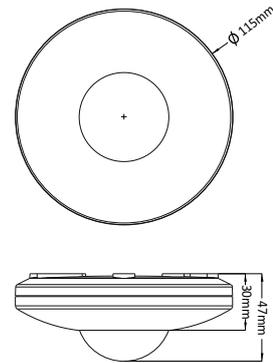
The time of the receiver switch-on can be adjusted within the range of 3 s to 9 min. Turning the control knob right [+] increases the switching-on time, turning left [-] reduces the switching-on time.

The sensitivity of twilight sensor

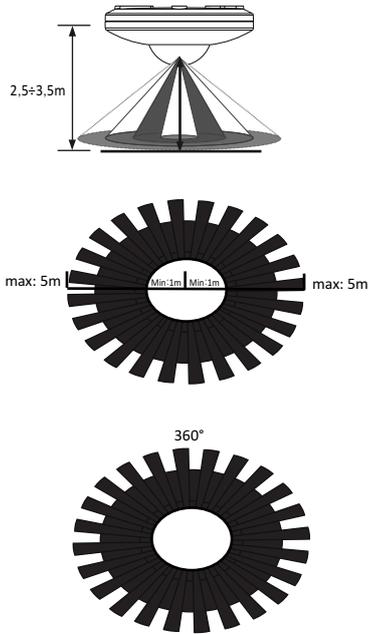
The sensitivity of twilight sensor can be adjusted within the range of 10 Lx to 2000 Lx. Turning the control knob in the direction of the „moon” icon will switch the light later, turning in the direction of „sun” - will switch the light earlier. For the sensor to be active throughout the day, the control knob should be maximally turned in the direction of „sun”.



Dimensions

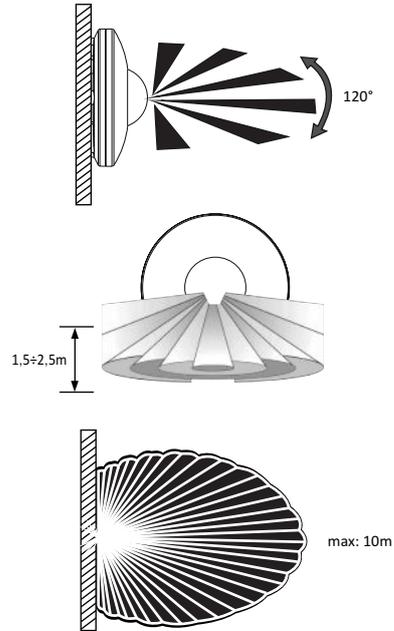


Area of detection (ceiling mounting)



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Area of detection (wall mounting)

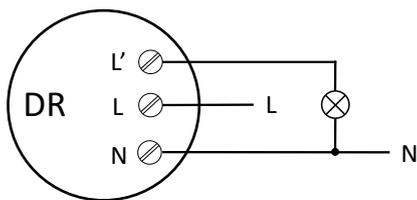


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Specifications

power supply	230V AC
load current	<4A
connection power	
incandescent lamps	800W
fluorescent lamps	400W
twilight activation threshold	10÷2000Lx
motion detection	0,6÷1,5m/s
switch-off time	3s÷12min.(±3min.)
area of vertical detection	360°
max. radius of detection (for h= 2,3÷3,5m, T<24°C)	r= 5m
sensor mounting height	h= 2,5÷3,5m
power consumption	
standby	0,10W
on	0,45W
terminal	1,0 mm ² terminals
operation temperature	-10÷40°C
dimensions	∅=115mm, h= 47mm
installation	two screws to the base
ingress protection	IP40

Wiring diagram



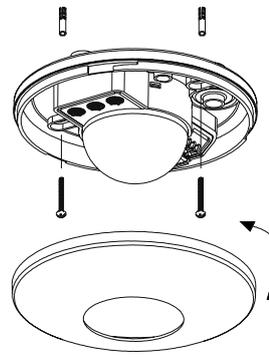
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Installation

1. Twist the sensor outer casing off by hand.
2. Disconnect the power supply.
3. Put the wires through the rubber cable bush in chassis of the sensor.
4. Attach the chassis to the ground with two screws.
5. Connect according to the diagram.
6. Set the area of the detection, the sensitivity of the twilight sensor and the switch-on time.
7. Assemble the outer casing of the sensor.
8. Connect the power supply.

Warning! TEST

After powering the sensor automatically switches on for 3 seconds.



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