## 

MOTION SENSOR (PIR)
DR-09
with presence sensor function
and its subsequent port time from the beginning
The specific of operation allows using the DR-09 as a presence sensor. The area of the detection field is: for presence up to 6 m in diameter and for movement up to 20 m in diameter. The motion sensor is equipped with a twilight sensor to prevent switching on the lighting during the day. The detection status and the readiness to switch on the lighting are only activated after dusk. The activation time of the sensor can be adjusted by the user using a potentiometer. In addition, it is possible to adjust the time of sensor switching on within the range of $10 \mathrm{~s} \div 30 \mathrm{~m}$. Changes in temperature can affect the motion detection.

## Diagram



The minimum distance between the sensor and the light source is 60 cm . If the motion sensor is installed too
(1) close to the switched light source, the system may be activated, which means that the sensor will automatically swith on and ofthe ligh source. It is necessan to move tighter from the light source.

Setting
Switch-on time
10 min . 2 ) 30 s . The time of the receiver swithin the range of 10 ser
Turning the control switching on time, turning left [-] reduces the switching on time.
The sensitivity of the twilight sensor
(D) The sensitivity of the twilight sensor can be adjusted within the range of $31 \times$ to $20001 \times$. Turning the control knob in the direction of the "moon" icon will switch the light later, turning it in the direction of the "sun" - will switch the light earlier.
For the sensor to be active throughout the whole day, the control knob should be maximally turned in the direction of the "sun".

## Dimensions



## rea of setection

Sensor installation height and adjustable range of sensor detection


The direction of movement in the detection area

1. Remove the external sensor cover - squeeze the housing from both sides with your hand and gently pull it out of the internal housing.
2. Disconnect the power supply.
3. Connect the wires according to the wiring diagram.
4. Fasten the base to the floor with two screws.
5. Set the sensitivity of the twilight sensor and the activation time.
6. Assemble the sensor housing - press it onto the internal housing
7. Switch on the sensor power supply.


The sensor is inactive for the first 30 seconds after the power supply is switched on. During this time, the PIR system warms up.

If the motion sensor is installed too close to the switched light source, the system may be activated, which means
(!) that the sensor will automatically switch on and off the light source. It is necessary to move the sensor to an appropriate distance away from the light source.

The motion sensor can work indoors and outdoors in places where it is not exposed to direct rain or snowfall and to the possibility of splashing the sensor housing
(!) and its electrical connection points with water or other liquid. Avoid locations with large objects in the detection area such as trees that can be moved by the wind. Do not install the sensor in close proxit

Connection scheme


## Power table


the above data are indicative only and will depend to a large extent on he construction of the specific receiver (especially LED bulbs, energysaving lamps, electronic transformers and pulse power supplies), witching frequency and operating conditions. More information on the website: www.fif.com.pl.

## Technical data

power supply
maximum load current (AC-1)
twilight activation threshold
switch-on time
switch-on time
max. radius of detection ( $\mathrm{T}<24^{\circ} \mathrm{C}$ )
sensor mounting height
sensor mounting heig
standby
on
terminal
terminal
working temperature
dimensions
mounting
protection level

## CE declaration

A copy of the CE declaration can be downloaded from the website: www.fif.com.pl from the product subpage.

