



F&F Filipowski sp. j.
Konstantynowska 79/81 95-200 Pabianice
tel/fax +48 42 2152383; 2270971 POLAND
http://www.fif.com.pl e-mail: fif@fif.com.pl

MOTION SENSOR
white

DR-06W
24V

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.

Functioning

The sensor detects the source of infrared radiation. It analyzes parameters such as the size of the object, the amount of heat emitted and the speed of movement between the different sectors of detection. The movement in the detection zone automatically switches the lighting for a time set by the user. After this time the lights will be turned off automatically. The motion sensor is equipped with a twilight switch that prevents the switching of controlled lighting during the day. Detection status and readiness to switch on the lighting are activated only after dusk. Activation time of the sensor can be adjusted by the user with potentiometer. 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.

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.

Note!

The 100 nF suppression capacitor is mounted in parallel to the sensor contact. In result, with the contact open the current that flows through the power supply circuit of the controlled lightning source is approx. 7 mA. This can cause periodic flashing (ignition attempt) of compact fluorescent light or conventional compact fluorescent lamps with electronic ballast. In the case of LED light sources it can cause residual lightning. In the case of a contactor coil power supply or an electromagnetic relay it may cause the contacts to not open.

Note!

After powering the sensor, the controlled lighting will be switched on for 5 seconds. Then, for 20±25 s the sensor remains inactive. Only after this time it reacts to movement. When the movement ceases and the lightning is turned off, the sensor is inactive for 4±5 seconds.

Installation

1. Disconnect the power supply.
2. Mount the sensor on the ceiling.
3. Connect according to the diagram.
4. Set the sensitivity of the twilight sensor and the switch-on time.

Specifications

power supply	24V AC/DC
load current	<7A
twilight activation threshold	3±2000Lx
motion detection	0.6±1.5m/s
switch-off time	10s±5s ÷ 4min±1min
area of horizontal detection	360°
max. radius of detection (for h= 3m, T< 24°C)	r=5m
sensor mounting height	h=2.5±3m
power consumption	0.45W
terminal	1.5mm ² screw terminals
working temperature	-20÷40°C
dimensions	Ø=110mm, h=35mm
installation	two screws to the base
ingress protection	IP40

Connection scheme

