MINI MOTION SENSOR
Model: SDMP
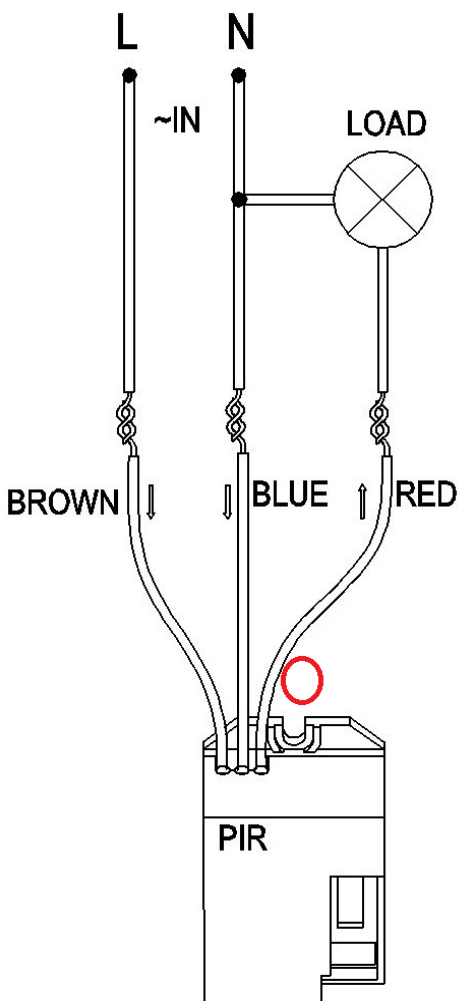
INSTRUCTIONS FOR EXPLOITATION:

The installation should be performed by a qualified electrician according to this manual. Please keep the instructions.

PRODUCT CHARACTERISTICS:

Detection Range:	120°/360°	Installation height:	1.8 – 2.5m (wall mounting)
Power supply:	220V-240V AC / 50-60Hz		2.2 – 4m (ceiling mounting)
Max rated load:	800W (incandescent lamp)	Working temperature range:	-20°C +40°C
	200W (energy-saving lamp)	Ambient light:	10lx/2000lx (adjustable)
Power consumption:	0.5W (working mode)	Index of protection:	IP20
Detection distance:	3m / 6m (adjustable)	Working humidity:	< 93%RH
Time delay:	5sec.,30sec.,1min., 3min.,	Detection moving speed:	0.6 – 1.5m/s
	5min., 8min. (adjustable)	Mounting hole:	Ø12mm

NOTES AND INFORMATION

The mini sensor is a passive infrared sensor, which detects (monitors) infrared rays (warmth) emitted by the objects that fall into its detection range. The sensor turns on / off the load, connected to it, depending on the change of the thermal background in the detection area. This is why it is not recommended to install the mini sensor SDMP in areas with great temperature amplitude – near air conditioners or heaters. Infrared sensors are normally used as motion sensors.

Wiring diagram 1

SAFETY INSTRUCTIONS

Any action performed when the main power supply is on has a risk of electrical shock. The power supply must be turned off prior to installation. The max. load should not be exceeded. It is not recommended to use the sensor to control luminescent lamps.

INSTALLATION WIRING (Diagram 1)

Connect according to the diagrams below.
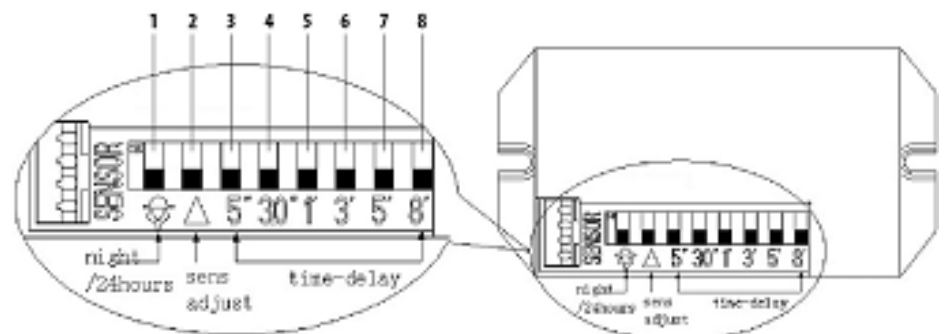
TESTING THE SENSOR (Diagram 2)

Diagram 2

Button 1 ⬇ adjusts the ambient light of the sensor. The button has 2 positions – 10 lx (the sensor will work only at night) and 2000 lx (the sensor will work twenty-four hours).

Button 2 △ adjusts the sensitivity (detection distance) of the sensor. The button has 2 positions - 3m (low sensitivity – appropriate for small rooms) and 6m (high sensitivity – appropriate for big rooms).

Buttons 3, 4, 5, 6, 7 and **8** adjust the time delay of the sensor: button 3 – 5 sec., button 4 – 30 sec., button 5 – 1 min., button 6 – 3 min., button 7 – 5 min., button 8 – 8 min.

1. Turn button 1 ⬇ to SUN position (downward position), turn button 2 △ to max. sensitivity position (downward position).
2. Turn on the power supply. At first 30 seconds are necessary for the sensor to enter its working mode. If a movement is detected in the controlled area, the sensor will turn on the lights. If no movement is detected in the controlled area after the time delay is up, the sensor will turn off the lights.
3. If the ambient light is more than 3lx, button 1 has to be switched to SUN position (downward position), otherwise the sensor won't work.
4. If each lamp is 60W, the distance between the sensor and the nearest lamp has to be more than 60 cm.
5. Do not place objects near the sensor as they may affect its proper work.
6. If the sensor is covered with a cloth or other non-transparent material, the light will turn on and 10 seconds later (+/- 3 sec.) it will turn off.

POSSIBLE REASONS FOR SENSOR MALFUNCTIONS AND SOLUTIONS

The light does not turn on:

- Check if the power supply and load connection is correct.
- Make sure the lamp is not defective.
- Check if the working light corresponds to the ambient light.
- If you test the sensor in daylight, please switch the LUX button to SUN position, otherwise, the sensor lamp will not turn on.

The sensor is not working properly:

- Check if there are objects in front of the sensor, preventing it from working properly.
- Check if the ambient temperature is too high.
- Check if the moving object is in the detection range of the sensor.
- Check if the installation height is appropriate.
- Check if there are objects with reflecting surface (mirrors, metal objects, etc.) near the sensor.

The sensor does not turn on the light:

- Check if there is a moving object in the detection range.
- Check the time delay settings.
- Check the power supply.
- Check if there is a heater in the sensor range.

TAKING CARE OF THE NATURAL ENVIRONMENT CLEANLINESS:

- The product and its components are not harmful to the environment
- Please dispose the package elements separately in containers for the corresponding material.

Please dispose the broken product separately in containers for out of usage electrical equipment.