

10100 SWITCH TYPE MOTION SENSOR

USAGE AREAS

- At the switch cases
- At the building entrances, stair vestibules.
- At the long halls within the flats.
- At the places required within the flats.
- At the parking garage.
- At the requisite locations within the hotels.
- At the schools, hospitals and oil filling station.

"OFFERS ENERGY SAVING FEATURE"

GENERAL SECURITY CAUTIONS

- Take off the original package and control if there is any damage of transportation and general view of the product.
- Do not use the product at cross purposes.
- Keep it away from water and moist areas.
- Do not use the product at dusty, dirty and rusty places.
- Do not supply high voltage.
- Do not apply any liquid.
- Protect from any stroke.
- Using ~220-240V voltage is so dangerous that only the specialist electricians must install and apply.

CAUTIONS FOR INSTALLATION AND USAGE

- Installing must be carried out professionally in accordance with applicable national wiring and electrical operating conditions.
- Turn off the network before mounting.
- Do not mount the product near the radiator and moist areas.
- Place the product horizontal to the wall/ceiling.
- Fix the bulbs before operating.
- Use 10A fuse the supply input.
- Factory setting; daylight adjustment is at darkness, time adjustment is at the shortest.
- Setting can be made 10 - 15 second after the releasing of the power.
- Time and daylight setting can be made during the day or night.
- Do not change the time and daylight settings abruptly.
- Do not make a second adjustment before you get a result from the first setting of the time and daylight.
- After you determine the right setting of the daylight, you can arrange the time as you need.
- The best result for the daylight setting can be obtained by adjusting the minimum. And that you can find the correct setting for sensitivity incrementally.
- When a cleaning needed for the product, take of carefully and clean with a dry rag.
- Avoid mounting the detector close to objects that can cause rapid temperature changes such as heaters, fans, refrigerators and ovents etc, and prevent the detector from point-blank sunshine.
- * It can cause the device operate inaccurately if there is tree, bushes etc. in the coverage area.

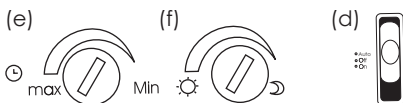
SPECIFICATIONS

10100

Operating Voltage	~220-240 V / 50 Hz
Angle of Coverage	360 ° At the Ceiling 180 ° On the Wall
Mounting Height	2.8 m. at the ceiling 1 - 2 m. on the wall
Detection Range	9 m. at the ceiling / 8m. on the wall
Time Setting	10 sec. ± 1sec. / 5 min. ± 10 sec.
Lighting Load	Max 2000W Incandescent Max 800W Fluorescent
Protection Class	IP20
Operating Temperature	-20 °C ~ +40 °C

Detection range is determined at the temperature of 20 °C.

SETTING



(e) Time Setting

Light ON time can be adjusted continuously from "10 sec ± 1 sec. / 5 min ± 10 sec." If you turn the knob clockwise device will operate at minimum time.(10 second)

Control dial set min = Shortest time (10 sec. ± 1 sec.)
Control dial set max = Longest time (5 min. ± 10 sec.)

(f) Daylight Setting

The sensor's response threshold can be infinitely varied from 2-2000 lux. If you turn the knob clockwise device will operate at dark.

Control dial set ☀ = Daylight operation approx. 2000 lux.
Control dial set ☾ = Night-time operation approx.2 lux.

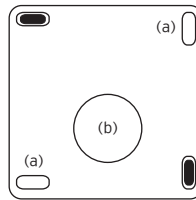
(d) Switch Setting

Auto = In this mount device will work as a motion sensor.
Off = Lamp will be always off.
On = Lamp will be always on.

NOTE : Device will automatically make its own offset by checking environment for approximately 10 minutes after the first installation. After this period device will operate normally. If you think the device does not operate normal in first installation, please wait for 10 minutes and start to test again. Be sure that there is no motion by this period.

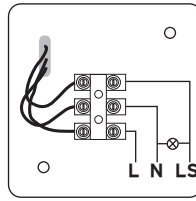


MOUNTING

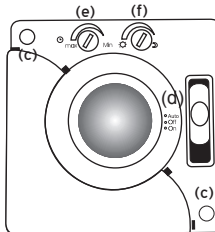


Product Developed and Manufactured in Turkey - Europe CE
by **na-De ELEKTRONIK**

Use this aparate (surface mount aparate) when making surface mount.
Fix the aparate on the wall shown by (a)
Pass the cables through the hole shown by (b)

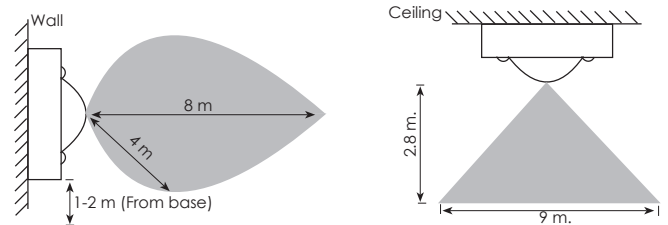


Connect the line cable to the terminal shown by L
Connect the neutral cable to the terminal shown by N
You can also connect the neutral cable of lamb from here
Connect line out cable(for the lamp) to the terminal shown by LS



Fix the product to the surface mount aparate shown by (c) when making surface mounting
Fix the product on the wall shown by (c) when making flush mount You can select On, Off or Auto mode with the switch shown by (d)

DETECTION AREA



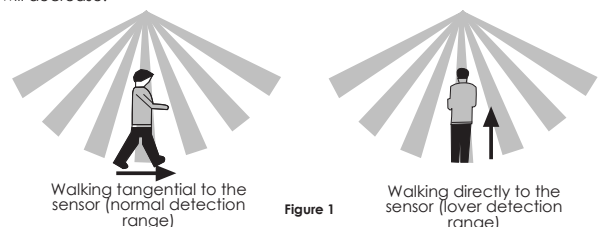
TROUBLESHOOTING

MALFUNCTION	CAUSE	SOLUTION
• Lamp is off	• Daylight adjustment set to night-time mode during daytime operate • Bulb faulty or there is no connection • Power switch off or no electricity • Fuse faulty • Switch is at OFF position	• Control daylight setting and re-adjust • Fit the bulb into the lamp holder, if it still does not operate, change the bulb. • Check the electricity and power on. • Change the fuse. • Select Auto position of switch.
• There is no electricity on the device	• Fuse switch off or fuse faulty • Connection faulty.	• Check the fuse if necessary use a new fuse. • Check the connection cables.
• Continuously lamp is on	• Continuously movement in detection zone • Cars on the streets are being detected. • Wind, rain, snow is moving to the trees & bushes or open windows in detection zone. • Switch is at ON position	• Check the detection zone. • Avert it is being detection. • Change detection zone, change site of installation. • Select Auto position of switch.
• Change perception area in device	• Sudden temperature changes due to weather(wind, rain, snow) or the air expelled from fans. • Different ambient temperatures.	• Change site of installation or keep the reasons away. • Change site of installation.

DETECTION AREA

Detection area of motion sensors depends on the angle between PIR detector and moving direction, temperature, mounting style and mounting places.

Temperature is very important for operation of motion sensors like all electronic devices. Using higher value of loads written on manuals and packages will decrease temperature inside the device when using Na-De Motion Sensor. As a result detection range will decrease and may cause defect of electronic components. Environment temperature will also cause decrease of detection range. Detection range given is determined at 20 °C .If the weather is hot, it will decrease.



The maximum detection range can be realized when walking tangential to the sensor (Figure 1). When walking directly to the sensor detection range will be low. Because you will not be able to cut vertical areas. Detection range of Na-De Motion Sensors is 9 meters as diameter 4.5 meters as radius.

GUARANTY

We will remedy defects caused by material flaws or manufacturing faults. The warranty will be met by repair or replacement at our own discretion. The warranty shall not cover damage to wear parts, damage or defects caused by improper treatment or maintenance. Further consequential damage to other object is excluded.

Claims under the warranty will only be accepted if the unit is sent fully assembled and well packed complete with a brief description of the fault, a receipt or invoice (date of purchase and dealer's stamp) to the appropriate Service Center.