

MOTUS MS-W 180° IP44 MOTION SENSOR

USAGE AREAS

- 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, hospital 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.
- 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 ~230-240V voltage is so dangerous that only the specialist electricians must install and apply.

CAUTIONS FOR INSTALLATION AND USAGE

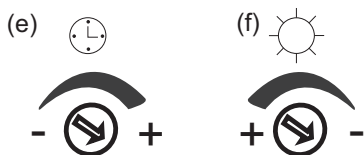
- Installing must be carried out professionally in accordance with applicable national wiring and electrical operating conditions.
- Turn of the network before mounting.
- Do not mount the product near the radiator and moist areas.
- Place the product vertically to the wall.
- Use 10A fuse the supply 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 lens, 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, brushes etc. in the coverage area.

SPECIFICATIONS

| | |
|-------------------------|---|
| Operating voltage | ~230-240V / 50 Hz |
| Angle of coverage | 180° |
| Height | 2.2 m. |
| Width | 12 m. |
| Time setting | 5 sec. ± 1 sec. / 5 min. ± 10 sec. |
| Lighting load | Max 1000W incandescent Max 400W fluorescent |
| Totally LED driver load | Max 500W PF ≥ 0.5, THD ≤ %20, Decoupling Capacitor ≤ 340 µF |
| Protection class | IP44 Class II |
| Opr. temperature | -20°C ~ +40°C |

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

SETTINGS



(e) Time setting

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

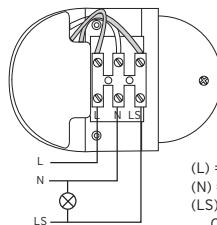
Control dial set to - = Shortest time (5 sec. ± 1 sec.)
Control dial set to + = Longest time (5 min. ± 10 sec.)

(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.

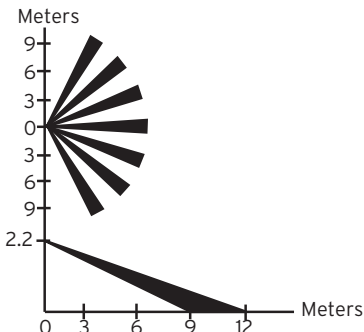
Control dial set + = daylight operation approx. 2000 lux.
Control dial set - = night-time operation approx. 2 lux.

NOTE: Device will automatically make its own offset by checking environment for approximately 5 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 5 minutes and start to test again. Be sure that there is no motion by this period.



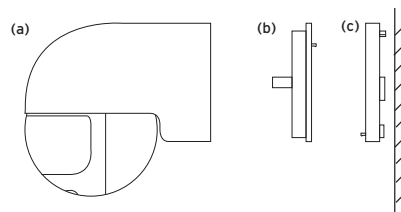
(L) = Line conductor
(N) = Neutral conductor
(LS) = Lamp conductor
Connect line (L), neutral (N) and lamp (LS) to the terminal block.

DETECTING RANGE



SYSTEM COMPONENTS

- (a) Main body
- (b) Back cover
- (c) Wall mounting piece

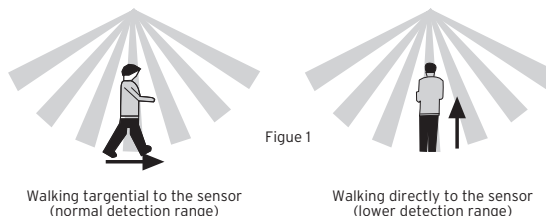


TROUBLESHOOTING

| MALFUNCTION | CAUSE | SOLUTION |
|---|---|--|
| • Lamp is off | • Day light adjustment set to night-time mode during daytime operate • Bulb faulty or there is no connection • Power switch off or no electricity • Fuse faulty | • 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. |
| • 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. | • Check the detection zone. • Avert it is being detection. • Change detection zone, change site of installation. |
| • 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 place. Temperature is very important for operation for motion sensor 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 give 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 (figure1) When walking directly to the sensor detection range will be low. Because you will not be able to cut vertical areas. The detection distance of 10180 model is 12 meter.

Warranty

Any expenses incurred in connection with rectifying defects (e. g. expenses for assembly and disassembly, transport, waste disposal, travel and site-to-quarters time) shall be borne by Buyer. For warranty work on Buyer's premises Buyer shall make available free of charge any assistance, hoisting gear, scaffolding and sundry supplies and incidentals that may be required. Replaced parts shall become Seller's property. About the replacement or repair is decided by the seller. The product must be connected in an approved manner by a professional. The product must be installed by a professional. The warranty shall lapse immediately if, without written consent of Seller, Buyer himself or a third party not expressly authorized undertakes modifications or repairs on any items delivered. In case of complaints the bill and the error description must be attached. For a faulty or improper installation, no liability will be assumed by the manufacturer.

