

Model: ND463

24 metre 360° ceiling occupancy sensor

Installation Sheet

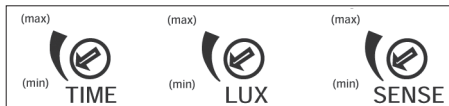


Installation:

- **Important** - Install using a registered electrician
- For indoor installation only
- Install with power supply on an independent isolating switch

Cautions for Installation:

- Do not mount the product near radiators and moist areas.
- Mount sensor horizontal
- Settings can be adjusted 15 seconds after the power has been connected.
- Time and daylight settings 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.
- To get the best results for the daylight setting, adjust starting at the minimum setting and incrementally turn towards the maximum setting until you find the correct setting.
- After you determine the right setting of the daylight, you can arrange the time as you need.
- To set the detection range from 6-24metres diameters use the SENSE adjustment knob.



- Avoid mounting the detector close to objects that can cause rapid temperature changes such as heaters, fans, refrigerators and ovens etc, and protect the PIR sensor from direct sunlight.

ND463 Sensor Product specifications:

Operating voltage	230-240V , 50 Hz	<input type="checkbox"/>
Detection angle	360°	
Recommended Mounting height	2.8 m.	
Detection range	6metres - 24 metres diameter (Adjustable)	
Time settings	10 sec to 5 min	
Lighting load	Max 2000W incandescent Max 800W fluorescent	
Protection class	IP20	
Operating temperature	-20 °C ~ +40°C	

DETECTION AREA

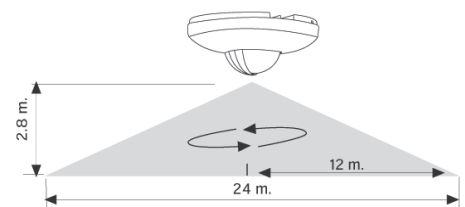
Detection area of motion sensor depends on the angle between PIR detector and moving direction, temperature and mounting placement. Temperature is very important for operation of motion sensors like all electronic devices.



Most Effective



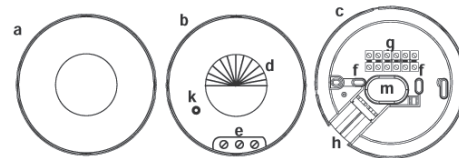
Least Effective



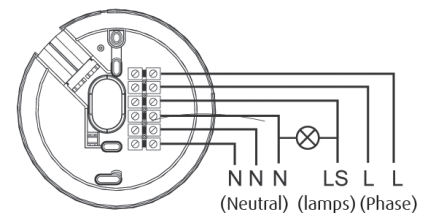
SYSTEM COMPONENTS AND MOUNTING

Note: if the (b) body and (c) mounting plate are assembled together, to disassemble pry apart with a small screwdriver using the small mounting plate slots

- (a) Protection cover
- (b) Body
- (c) Mounting plate
- (d) Lens
- (e) Adjustments
- (f) Mounting holes
- (g) Terminal Block
- (h) Cable entry
- (k) Protection cover locator hole
- (m) Breakable cable entry



Mount the mounting plate (c) using the holes (f). Connect Phase cable to terminal (L), Neutral cable to terminal (N) and Lamp cable to (LS). Plug the main body (b) into the mounting plate (c) with the 6 terminal pins aligned. Use knobs (e) to make the adjustments. Place the protection cover (a) onto body when finished aligning with the hole (k)



Problem Solving - The points noted under "cautions for Installation" are most important for trouble free installation.

If lights won't turn on:

1. Check the lamp is not blown
2. Check the main light switch is turned on
3. Increase lux setting

If lights won't turn off:

1. Movement is being detected
2. Reduce time Settings
3. Reduce lux setting
4. Turn main switch off for 5 mins then on again

Change in sensitivity or reliability of unit:

1. Remove heat or moisture source
2. Reposition installation

CAUTION: DO NOT DISMANTLE – There are no user serviceable parts inside sensor