

T&J ELECTRIC (SINGAPORE) PTE LTD

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Date: 15/04/2020

Subject: Product Info: W2744LIR
(360° Motion Sensor with remote force-on function)

Overview:

- This 360° motion sensor is compact and modular design with latest technology.
- It shall detect a movement of human being to turn on a lamp and turn off automatically after certain delay time.
- It is convenient to turn lamp "on" when it is dark or your hands is not free to switch on the lamp.
- It is an energy-saving device to turn-off lamp if there is nobody in the area like door entrance, stair-case, hallways and utilities room etc.
- Deco 2-gang module size.



It can install with various T&J product range with various matching color.

Features

- It can be installed on the wall or ceiling.
- Line and Neutral wire are needed to connect to the motion sensor.
- A local override switch on the face plate to turn "on" the lamp. When local switch is pop-up, lamp is turned on.
- A remote override switch can connect to sensor to turn "on" the lamp. Please refer to the wiring diagram.

local override switch	remote override switch	lamp status
ON	X	lamp is "ON"
X	ON	lamp is "ON"
OFF	OFF	lamp is "ON" if it detects motion of a human being
X - It can be either "ON" or "OFF"		

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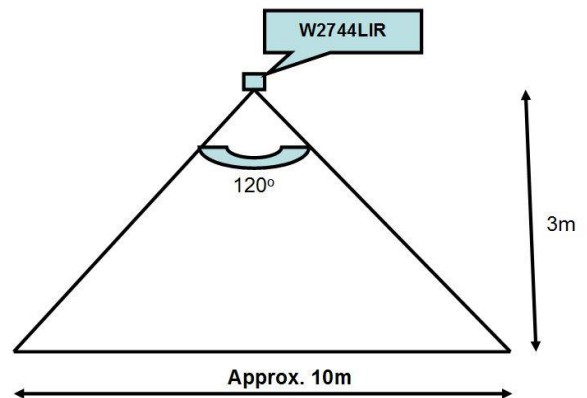
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- it can work with different type of lamps
 - Incandescent (Tungsten Filament) Lamps.
 - Down-lights (12V Halogen) using electronic ballast.
 - Down-lights (12V Halogen) using transformer ballast.
 - LED lamp
 - Compact fluorescent lamps and etc.
- Blue LED on faceplate to indicate the status of motion sensor.

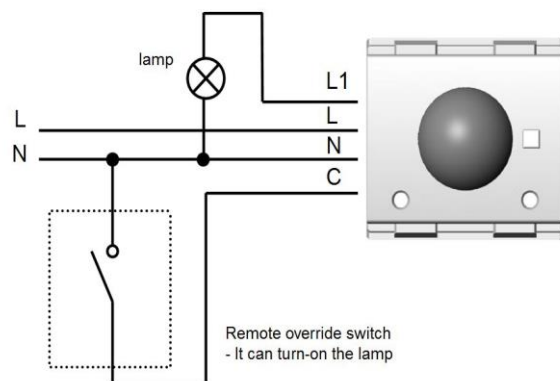
Technical Data

- Rated Voltage: 220V-240V 50Hz AC
- Maximum load: 4AX (approx. 880W)
- Lux level: approx. 10 - 150 Lux
- "On" delay-time: adjustable from 30 sec to 10 min (+/- 2 min)
- Detection Area: a cone-shape with
 - detection distance: 3m
 - Side angle against vertical line: 60°
- module's depth: 35mm



Detection area of W2744 motion sensor

Wiring Diagram



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Notes on application

This module should not be installed in following environment; otherwise, it may not work properly.

- Outdoors without a cover.
- Direct under sun-light or pointed by motor vehicle headlights.
- Direct air-flow from a heater or air-conditioner.
- In a place where rapid temperature changes occur.
- Severe vibration.
- Close to glass or other objects which might reflect the infrared radiation.

Compatible product range

It is compatible with following adaptor plate / frame:

Radiance range: K1201-xx Mounting adaptor for deco modules (2 modules size)



Deco range: W1112A-xx 2-Gang central-type frame with mounting bracket



Deco range: W1113-xx 3-Gang frame with mounting bracket (one module size is available for install with other module)



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Titanium range: GC1221-xx Mounting adaptor for deco modules (2 modules size)



Dazzle Range HA1201-N Mounting adaptor for deco modules (2 modules size)



Lavina "95" Range JC1401 -xx (Plastic) Mounting adaptor for deco modules (2 modules size)
JB1601 -xx (Metal)



Example: JC2-LIR-LWH JC1401-LWH+JC1512-W-LWH+W2744LIR-LWH



Note:

1. Adaptor plate for other ranges also available, please contact T&J sales representative.
2. xx - specify color code