

# K5025 LIGHTING PIR SENSOR

The Honeywell K5025 Lighting sensor is a dual-mount dual-output PIR Sensor that is easy to install on recessed or surface mounts, making it ideal for most interiors. It has a white finish and is suitable for recessed mounting in to the ceiling. With lighting contributing up to 40% of energy consumption in a commercial dwelling, lighting sensors are a great-way to reduce.



Honeywell K5025 Lightings PIR Sensors

The Honeywell K5025 Lighting sensors detect human presence and switch on the lights and air conditioners. The micro sensitive elements keep the switch on till the space is occupied. The K5025 automatically switches lights and air conditioners on or off, using PIR (Passive InfraRed) sensor technology; which detects motion based on body temperature, ensuring spaces are illuminated and conditioned only when they are occupied.

## FEATURES AND BENEFITS



### EASY TO INSTALL

- Simple to switch between recessed and surface options
- Surface mount can be fixed direct to the ceiling or on to a circular conduit
- For recessed mount, spring clips enable ease of installation in ceilings with thickness between 5 mm and 20 mm
- All screws and fixings supplied.



### ENERGY SAVINGS

- Presence detection by passive infrared
- Innovative dual mount system requires only one sensor for either recessed or surface mount applications
- External configurable knobs enable quick adjustment of time and lux levels
- Off delay adjustable between 5 seconds and 30 minutes following the last observed movement after which the lights and air conditioner (AC) switch off
- External configurable knob to quickly turn On/Off the Air Conditioner (AC) in the space.



### ROBUST QUALITY

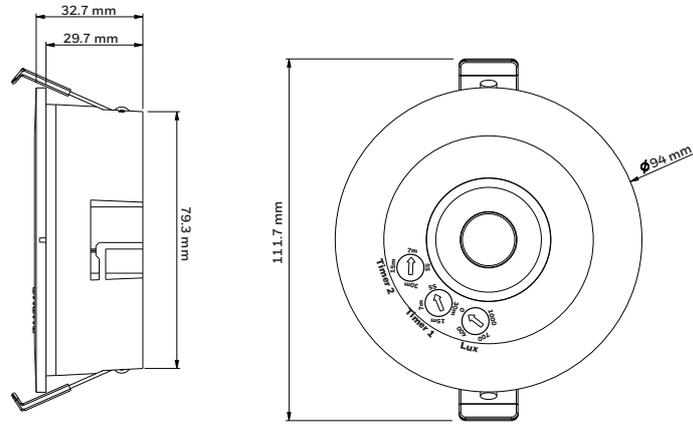
- PIR Lens provides 360 degree detection by Passive Infrared (PIR)
- Detection Range up to 6 m diameter (3 m radius) at 25°C at 2.5 m mounting height
- Mounting Height: Recommended ceiling mount 1.8m to 3m
- Loading up to 6 Amps.

# ORDERING INFORMATION

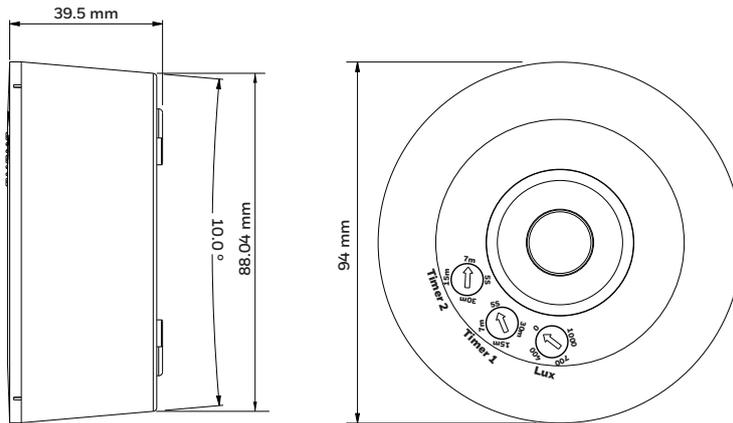
ORDERING INFORMATION	
PART NUMBER	MOUNT TYPE
K5025.	Simplefit PIR Dual Mount Dual Output Sensor

## DIMENSION DRAWINGS

### RECESSED MOUNT



### SURFACE MOUNT



## SPECIFICATIONS

ELECTRICAL	
PARAMETER	DESCRIPTION
Operating Voltage	220-240 V / 50 Hz
Threshold Voltage	180-270 V
Maximum Load	Up to 6Amp (For Both relay)
Relays	Relay 1 (R1) - Wet Contact Relay 2 (R2) - Dry Contact
Surge	3 kV
Connection and Connector	Refer "Terminal Wiring" section.
Recommended Circuit Protection	10 Amp

SENSOR	
PARAMETER	DESCRIPTION
Sensor technology	Passive InfraRed (PIR Motion Sensor)
Detection Range	6 m diameter (3 m radius) at 25 °C at 2.5 m mounting height
Detection Angle	360 degree

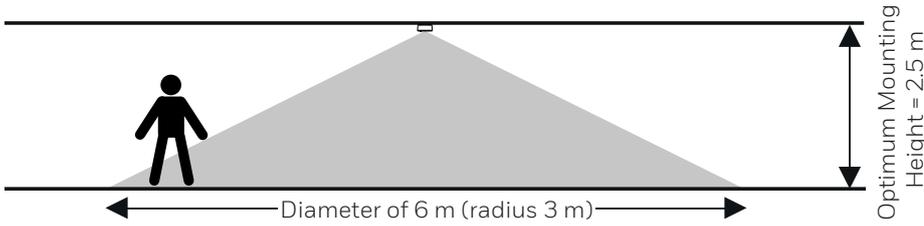
HARDWARE	
PARAMETER	DESCRIPTION
Mounting Height	2.5 m
Mounting	Recessed Mounting & Surface Mounting
Humidity	0 - 95% rH (not-condensed)
Material	Polycarbonate
Product color	White (RAL9010)
Weight	~ 150 g
Protection	IP20

KNOB SETTINGS	
PARAMETER	DESCRIPTION
Light Levels Knob	0-1000 Lux (adjustable) (applicable for light relay (R1) only)
Timer 1 Knob	Lighting off delay timer - 5 seconds to 30 minutes (adjustable) (With Separate Knob for Both relay)
Timer 2 Knob	AC off delay timer - 5 seconds to 30 minutes (adjustable)

# OPERATION

## DETECTION

Cone shaped detection pattern. Optimum mounting height of 2.5 m gives detection diameter of 6 m (radius 3 m). Detection-angle / Detection -distance / Installation height are shown in the accompanying figure. Detection angles are 360°.



## SETTING KNOB

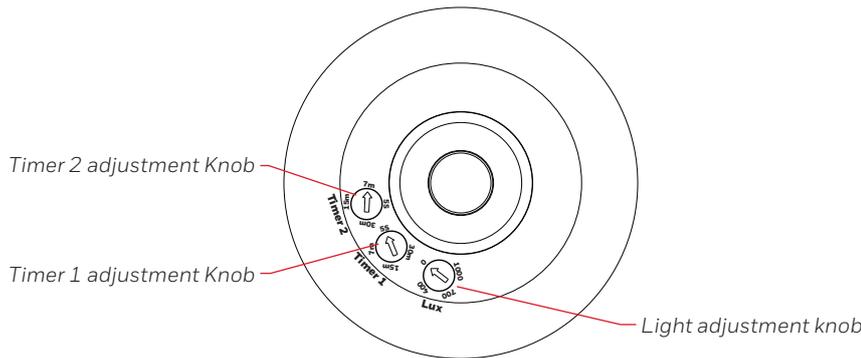
You can adjust lighting timer off delay (Timer 1), light level (Lux), AC timer off delay (Timer 2) using adjustment knobs as shown in the below figure.

- Lighting timer off delay is adjustable from 5 seconds to 30 minutes. To increase timer off delay, please turn the adjustment knob counter clockwise.
- Light level is adjustable between 0-1000 Lux (applicable for light relay (R1) only). To increase light level, please turn the adjustment knob counter clockwise.
- AC timer off delay is adjustable from 5 seconds to 30 minutes.

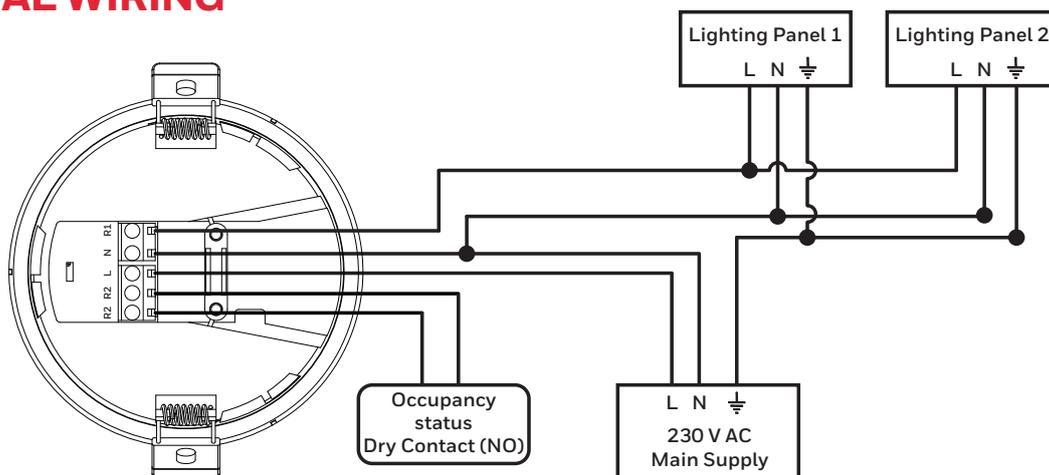
## VERSATILE LIGHTING APPLICATIONS

Now you can enhance both the sustainability and occupant experience of your built spaces, at the same time. Smart lighting was never so easy. These Dual mount dual output lighting sensor is ideal for multiple application areas such as:

- Commercial Spaces
- Office workstations
- Closed cabins
- Conference room
- Residences
- Closed common area / Cafeteria



## TERMINAL WIRING



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