K5017 LIGHTING PIR SENSOR

The Honeywell K5017 Lighting sensor is a dual-mount 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 K5017 Lighting PIR Sensors

The Honeywell K5017 Lighting sensors detect human presence and switch on the lights. The micro sensitive elements keep the switch on till the space is occupied. The K5017 automatically switches lights on or off, using PIR (Passive InfraRed) sensor technology; which detects motion based on body temperature, ensuring spaces are illuminated 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 switch off.

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.

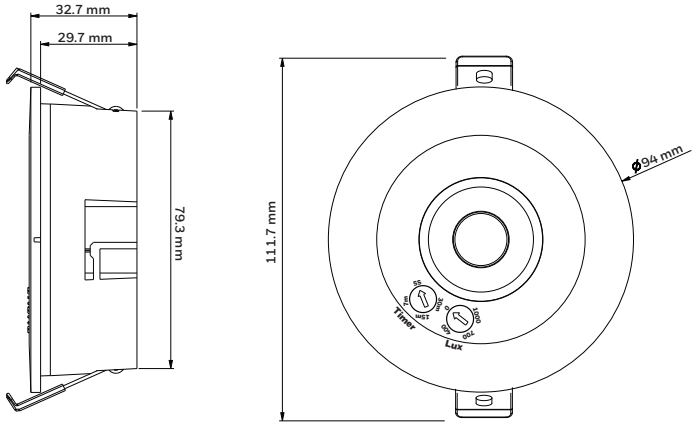
Honeywell

ORDERING INFORMATION

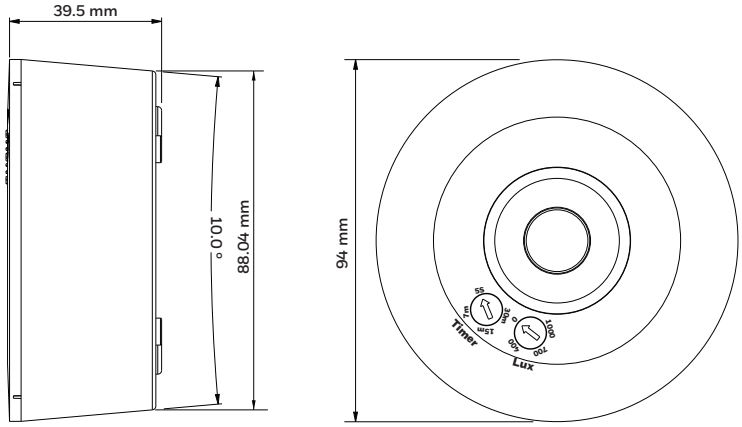
ORDERING INFORMATION	
PART NUMBER	**MOUNT TYPE**
K5017.	Simplefit PIR Dual Mount Sensor

DIMENSION DRAWINGS

RECESSED MOUNT



SURFACE MOUNT



SPECIFICATIONS

ELECTRICAL	
PARAMETER	**DESCRIPTION**
Operating Voltage	220-240 VAC / 50 Hz
Threshold Voltage	180-270 VAC
Maximum Load	Up to 6 Amp
Relay	1
Surge	±3 kV
Connection and Connector	Refer “Terminal Wiring” section.
Recommended Circuit Protection	10 Amp
Operating Temperature	0-40°C

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

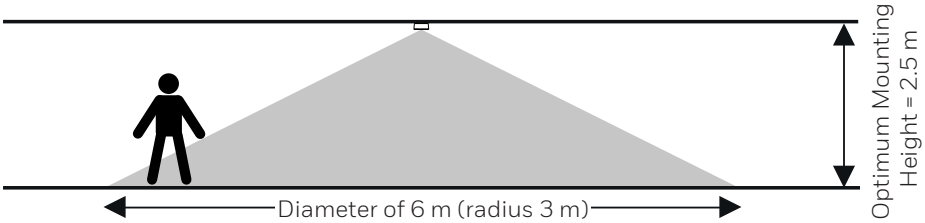
KNOB SETTINGS	
PARAMETER	**DESCRIPTION**
Time Delay (Knob)	Off delay timer - 5 seconds to 30 minutes (adjustable)
Light Levels (Knob)	0-1000 Lux (adjustable)

COMPLIANCE
EU/2011/65 (RoHS-2) and EU/2015/863 (RoHS-3)

OPERATION

DETECTION

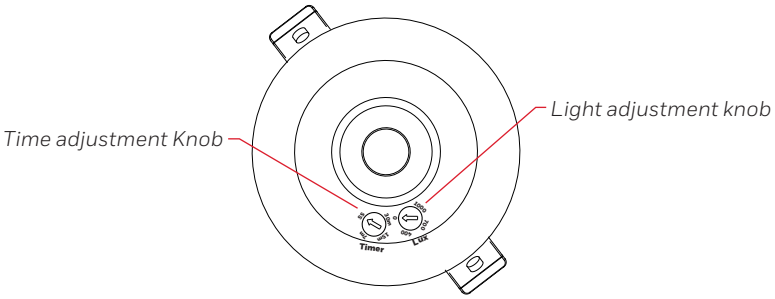
Cone shaped detection pattern. Optimum mounting height of 2.5 m gives detection diameter of 6 m (radius 3 m). Detection-angle / Detection -distance / Installation height are shown in the accompanying figure. Detection angles are 360°.



SETTING KNOB

You can adjust time delay (TIME) / ambient light (LUX) using adjustment knobs as shown in the below figure.

- Time delay is adjustable from 5 seconds to 30 minutes.
  To increase time delay, please turn the adjustment knob counter clockwise.
- Ambient light level is adjustable between 0-1000 Lux.
  To increase light level, please turn the adjustment knob counter clockwise.

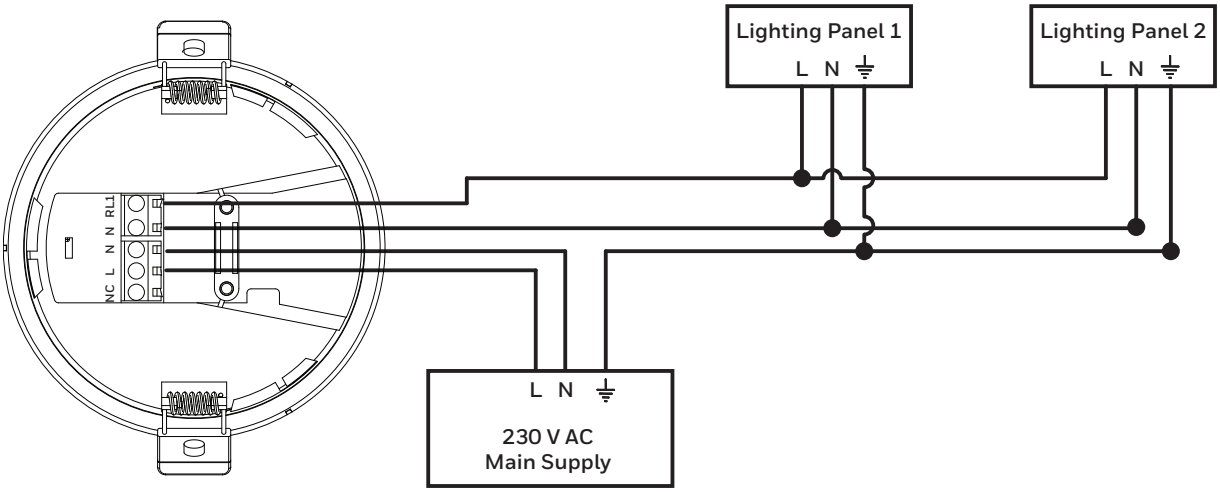


VERSATILE LIGHTING APPLICATIONS

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 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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