



KTS-PIR5-12V-IM

LED PASSIVE INFRARED (PIR) OCCUPANCY/DAYLIGHT SENSOR

DESCRIPTION

PIR Occupancy/Daylight Sensor | Integrated Mount
Performance Parameters Set by Dip Switches or by
Remote Control (sold separately)

INPUT VOLTAGE: 12Vdc $\pm$ 2Vdc

OUTPUT VOLTAGE: 0–10Vdc

TRANSMIT POWER: < 0.5mW max.



RoHS
Compliant



**5 YEAR
WARRANTY**

PRODUCT FEATURES

- Installs via easy snap-in to fixture's premade mounting hole. Connector on back removes need for any additional wiring.
- PIR sensing technology detects motion in the coverage area and automatically turns off light when motion is no longer detected
- Partial discharge (PD) dual-technology differentiates artificial light brightness from natural light and automatically turns off light when ambient brightness exceeds preset lux level
- Powered by Keystone 0–10V dimming LED driver
- Adjustable performance parameters set by dip switches or Keystone remote control (sold separately)
- Ambient operating temperature: $-30^{\circ}\text{C}/-22^{\circ}\text{F}$ to $60^{\circ}\text{C}/140^{\circ}\text{F}$

PERFORMANCE SPECIFICATIONS

Input Voltage	Input Current	Output Voltage	Stand-By Power	Max Mounting Height	Min Mounting Height	Detection Angle	Detection Range	Adjustable Settings				
								Brightness	Hold Time	Daylight Threshold	Stand-By Time	Stand-By Dim Level
12Vdc	15mA	0–10V	<0.5W	13 ft (ceiling mount)	8 ft (ceiling mount)	Ceiling mount: 360° Wall mount: $<120^{\circ}$	Ceiling mount: $\varnothing$ 13.2 ft max	70% 80% 90% 100%	10 sec 1 min 10 min 30 min	10 Lux 30 Lux 50 Lux 100 Lux Disable	1 min 30 min 60 min ∞	10% 20% 30% 50%

FACTORY PRESETS

Catalog Number	Brightness	Hold Time	Daylight Threshold	Stand-By Time	Stand-By Dim Level
KTS-PIR5-12V-IM	100%	10 min	Disabled	1min	50%

STARTUP BEHAVIOR

When fixture power is applied, the below startup sequence occurs

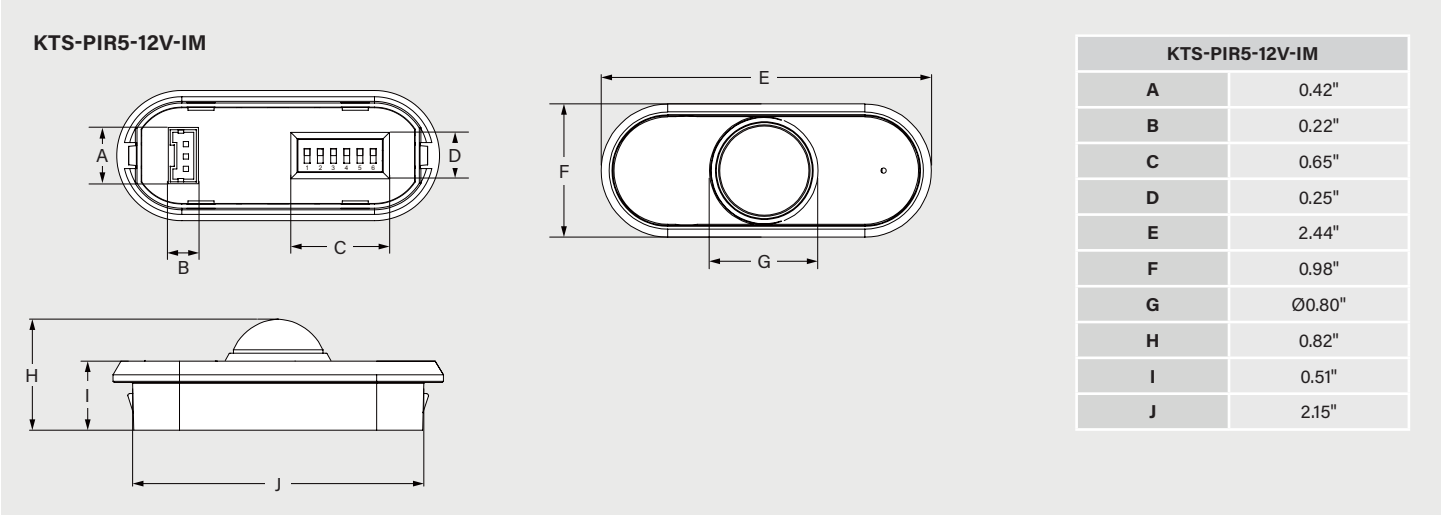
- Light output 100%, red indicator on
- After 10s, red indicator off
- After 40s more, light output to 50% level
- Sensor is now ready for normal operation



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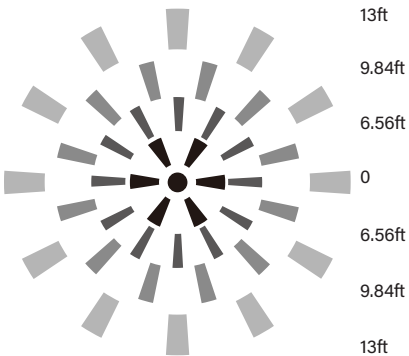
PHYSICAL SPECIFICATIONS



DETECTION COVERAGE

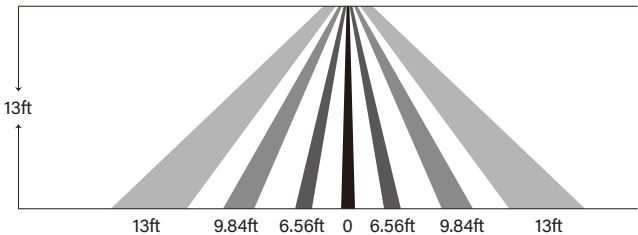
CEILING MOUNT (Top View)

Detection angle: 360°
Detection range: Ø 13' max.
Mounting height: 13.2' max.



CEILING MOUNT (Side View)

Detection angle: 360°
Detection range: Ø 13' max.
Mounting height: 13.2' max.





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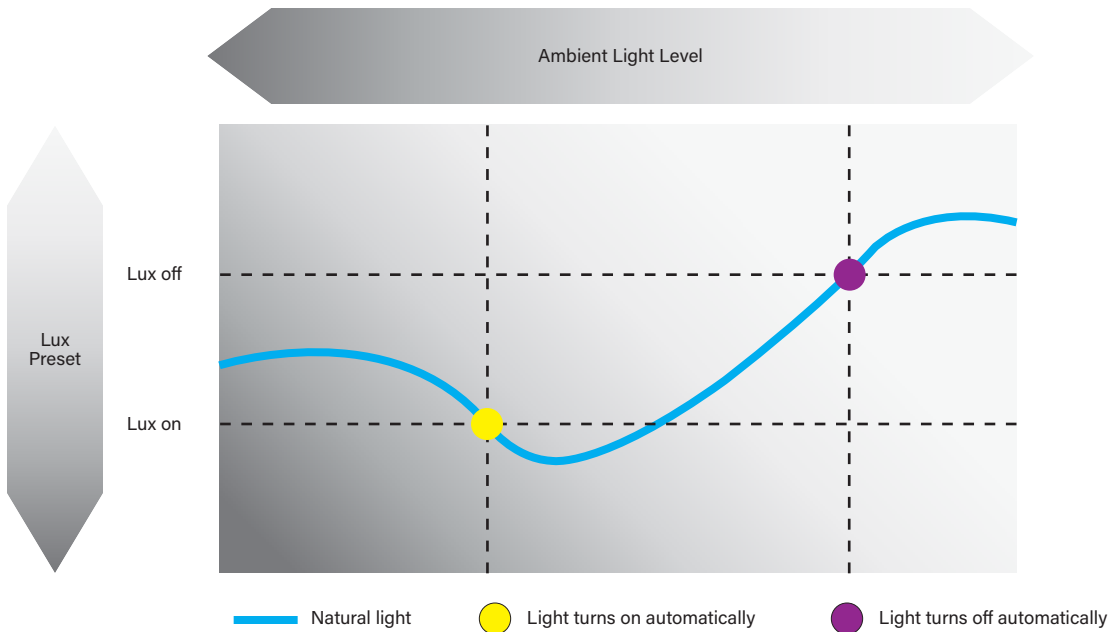
LUX ON/ OFF SETTING

FUNCTION

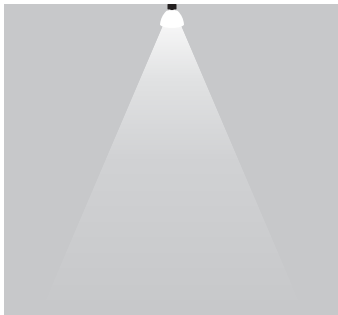
Partial discharge (PD) dual-technology differentiates artificial light brightness from natural light and automatically turns off light when ambient brightness exceeds preset lux level.

Lux-Off function preconditions:

- Stand-by period setting: ∞
- Stand-by dimming level setting: 10%, 20%, 30%, or 50%
- Daylight threshold setting: 10 Lux, 30 Lux, 50 Lux, or 100 Lux



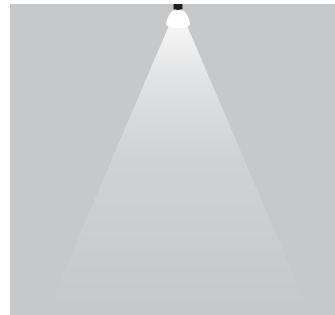
APPLICATION



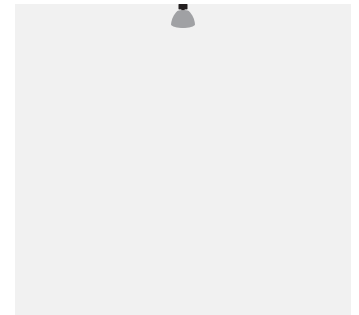
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected



Light dims to stand-by level if no motion is detected after hold time.



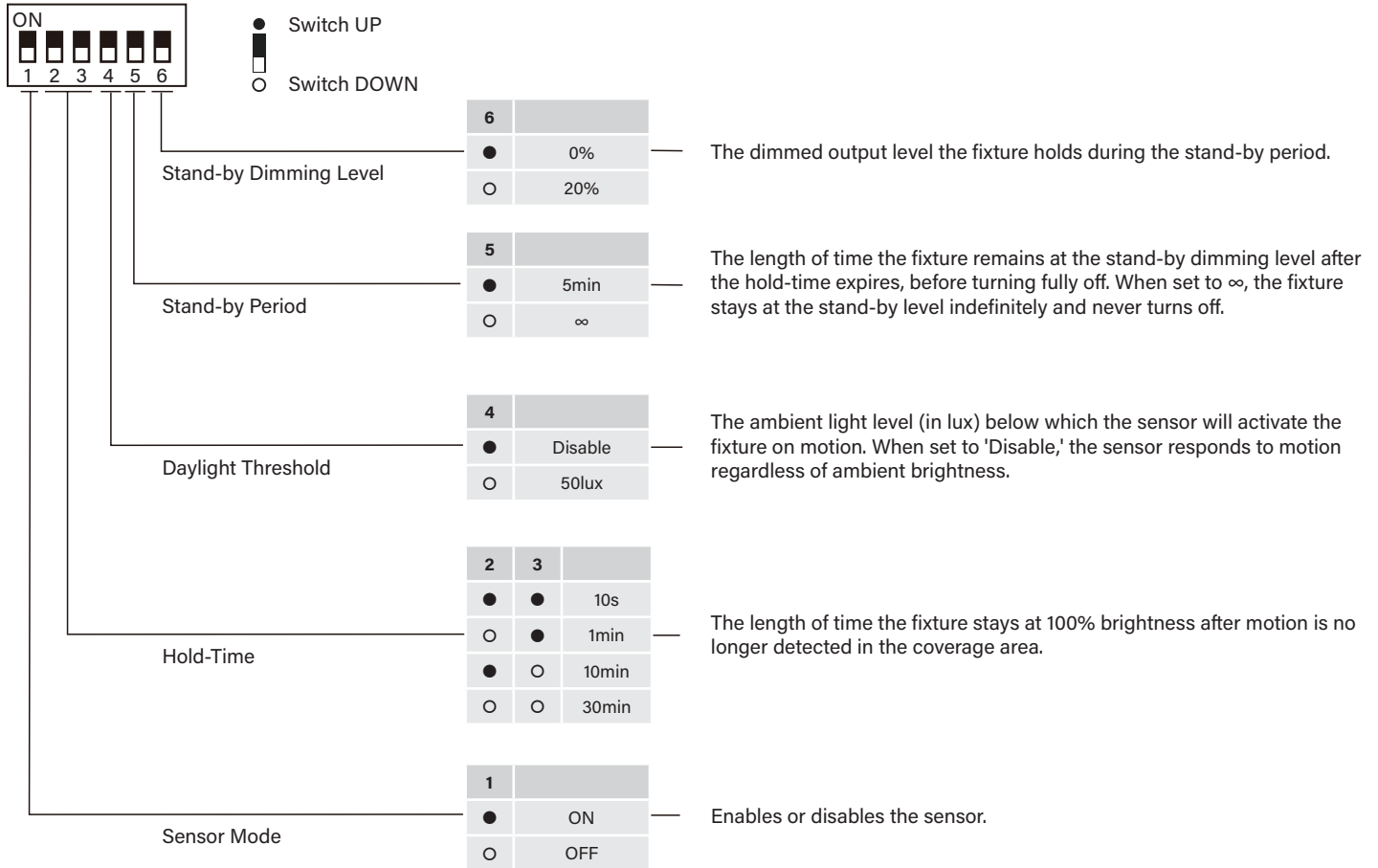
Light off when ambient lux level is higher than preset lux amount.



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DIP SWITCH SETTINGS



ACCESSORIES (Sold Separately)

REMOTE CONTROL

Catalog Number	Description	UPC	Easy Code
KTS-MW3-REMOTECONTROL	Remote Control for KTS-PIR3-12V-PKO /X Sensors, Sets/adjusts all sensor performance parameters	843654132020	XSR-61





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ORDERING INFORMATION

Catalog Number	Carton QTY	UPC	Easy Code
KTS-PIR5-12V-IM	200pcs	843654183398	VPV-33

CATALOG NUMBER BREAKDOWN

KTS-PIR5-12V-IM

1	2	3	4	5
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- 1 Keystone Technologies Sensor
- 2 Passive Infrared Technology
- 3 Form Factor
- 4 Input Voltage
- 5 Integrated Mount