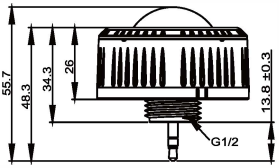
■ Bi-level PIR Sensor For High Bay Light
ANT-6-4T-KN Instruction

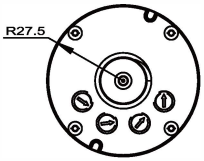


ANT-6-4T-KN(Sensor)



RC-100
(OPTIONAL)





INTRODUCTION

The ANT-6-4T-KN mounts in an outdoor lighting fixture and provides multi-level control based on motion. It controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via knobs or by remote control.

SPECIFICATIONS

Power supply	12-24VDC, >30mA
Dim control output	0-10V, max. 25mA sinking current
Detection radius	1-8m
Mounting height	Max 40ft.(12meters)
Hold time	3min/5min/10min/15min
Temperature	-4°F ~ +140°F (-20°C ~ +60°C)
IP rating	IP65

⚠ WARNING

NOTE: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds,then go to dimming to work normally.

NOTE: Factory Default Setting: Hold time is "3min", Daylight is "Disable", Stand-by DIM is "25%", Stand-by time is "30min".

NOTE: Any setting changed by knobs or by Remote Control.

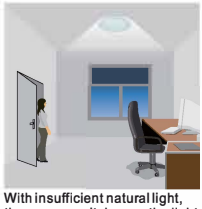
NOTE: Do not insert or remove the sensor when the Fixture is powered on.

Corridor Function

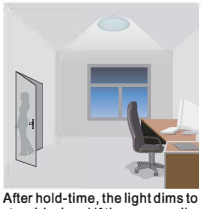
~~This function inside the motion~~ sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With suffcient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



Light switches off automatically. after the stand-by period elapses, or when the lux is more than that you set.

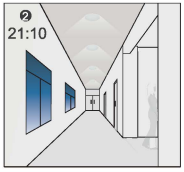
■ Bi-level PIR Sensor For High Bay Light
ANT-6-4T-KN Instruction

Smart Photocell mode

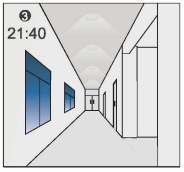
When choose Stand-by time choose +∞ by knob,or when you use remote control to push ⏻ when remote control is in setting condition.



The light switches on at 100% when there is movement detected.



The light dims to stand-by level after the hold-time.

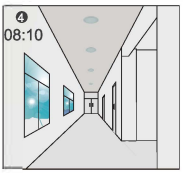


The light remains in dimming level at night.

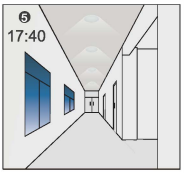
Settings on this demonstration:
Hold-time: 10min
Setpoint on: 50lux
Setpoint off: 500lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)

❶⇆❸ goes in cycle at night ···

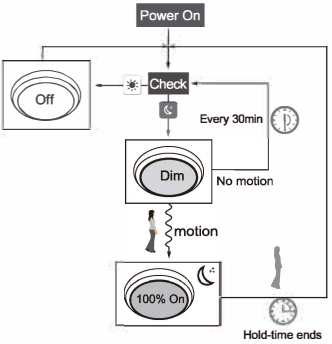
100% on when movement detected, and dims to 10% in long absence.



When the natural light level exceeds setpoint off to light,the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insuffcient (no motion).



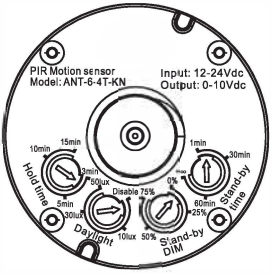
OPERATION

① Hold time: Hold time (Time from light trigger until no motion is detected) Set time duration until sensor triggers standby light level (3 minutes /5 minutes/10 minutes/15 minutes).

② Daylight: to select the current surrounding lux value as the daylight threshold (10lux,30lux,50lux,disable) when corridor function. and when smart photocell mode, the daylight thresholds is 10lux/100lux,30lux/300lux, 50lux/500lux for on/off automatically.

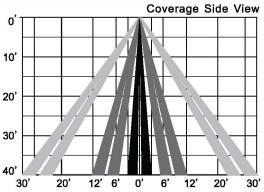
③ Stand-by DIM: Set standby dimming level to 0/25%/50%/75% of full light output. Setting the "Stand-by DIM" at 0% means light full off during vacancy.

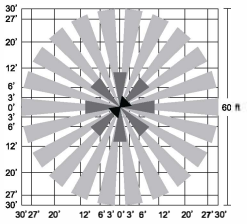
④ Stand-by time: To represents the time that the sensor will keep the light at low dim level after the "Hold time" elapsed. Set Standby time level to 1 minute/30 minutes/60 minutes/+∞ .



Note: When stand-by time choose +∞ , the fixture will come into smart photocell mode. And it will turn on and off automatically according to the daylight you set.

SENSOR COVERAGE





MWLIGHTING

V1.0