

P10520 SEN-
ANT-5-Z10-PC



ANT-5-Z10-PC

INTRODUCTION

The photoelectric switch ANT-5-Z10-PC is applicable to control the street lighting, passage lighting and doorway lighting automatically in accordance with the ambient lighting level. This product is designed with electronic circuits. Its quicker response with time delay of 5 seconds offers easy-to-test feature. Especially, model ANT-5-Z10-PC provides a wide voltage range for customer applications under almost power supplies. Further, a preset 5 seconds time-delay might avoid mis-operation due to spotlight or lightning during the night time. This product has been listed by UL Inc and is comply with the Standard for Non-industrial Photoelectric Switches for Lighting Control UL773A.

SPECIFICATIONS

| | |
|---------------------|--------------------------------|
| Rated Voltage | 12-24V DC |
| Rated Frequency | 50mA±5% |
| Power consumption | 0.4W max |
| Operate Level | 16Lux On / 24Lux Off |
| Ambient Temperature | 99%RH |
| Temperature | -40°F ~ +158°F (-40°C ~ +70°C) |

PHOTOCELL FUNCTION

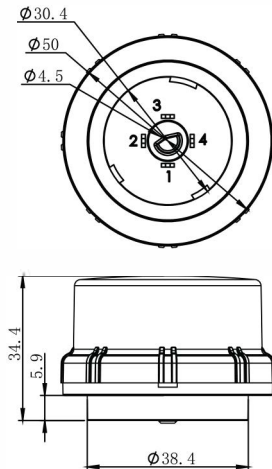


With sufficient natural light, the light does not switch on whether presence is detected



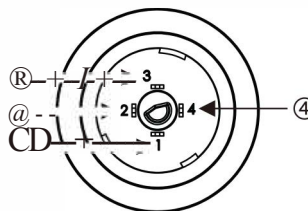
With insufficient natural light, the sensor switches on the light automatically

DIMENSIONS



PORT DESCRIPTION

- Port 1 : 12-24Vdc
- Port 2: GND/DIM -
- Port3: DIM+
- Port4: NC

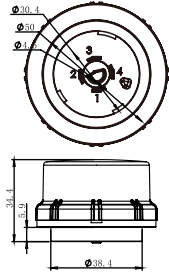




P10521 ANT-5-Z10



P10316 SEN-BRI-RC100



INTRODUCTION

ANT-5-Z10 is mounts in an outdoor/indoor lighting fixture (Street lighting, garden lighting, passageway lighting) and provides multi-level control based on motion and/or daylight contribution.

It controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing.

SPECIFICATIONS

| | |
|--------------------|---|
| Power supply | 12V–24V DC, >50mA |
| Dim control output | 0-10V, max. 25mA sinking current |
| HF System | 5.8GHz±75MHz |
| Transmission power | <0.2mW |
| Detection radius | 20%/50%/75%/100%(1-8m) |
| Mounting height | Max 40ft.(12meters) |
| Time setting | 10s/1min/5min/10min/15min/20min/30min/60min |
| Light-control | 24H/10LUX/30LUX/50LUX |
| Temperature | -4°F ~ +140°F (-20°C ~ +60°C) |
| IP rating | IP65 |

⚠ WARNING

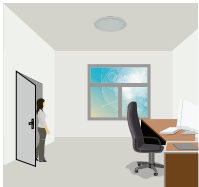
NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is ☀, Dimming level: 30%, Dimming time: 60minutes.

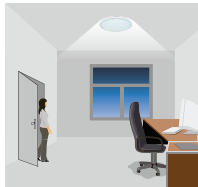
NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

CORRIDOR FUNCTION

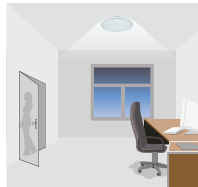
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by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



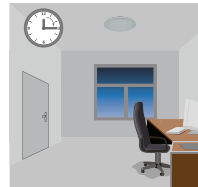
With sufficient natural light, the light does not switch on when presence is detected.



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.

DAYLIGHT SENSOR FUNCTION

Open the daylight sensor by 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.



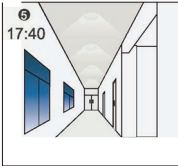
The light remains in dimming level at night.

Settings on this demonstration:
 Hold-time: 30min
 Setpoint on: 50lux
 Setpoint off: 300lux
 Stand-by Dim: 10%
 Stand-by period: 30 (when the smart photocell sensor open, the stand-by time is only 10)

0 0 goes in cycle at night--
 100% on when movement detected, and dims to 10% in long absence.

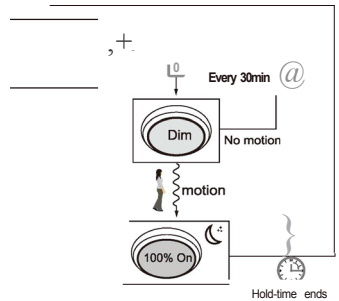


When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

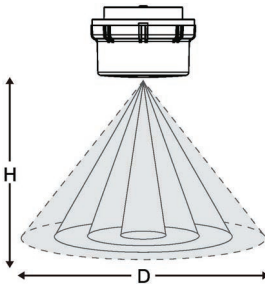


The light automatically turns on at 10% when natural light is insufficient (no motion).

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SENSOR COVERAGE



| Height H(ft) | Rang Diameter() | | | |
|-----------------|----------------------|---------------------|---------------------|---------------------|
| | Sensitivity 100%(ft) | Sensitivity 75%(ft) | Sensitivity 50%(ft) | Sensitivity 25%(ft) |
| 40 | 50 | 30 | 5 | 0 |
| 30 | 60 | 50 | 20 | 0 |
| 20 | 40 | 40 | 30 | 10 |
| 10 | 40 | 40 | 40 | 20 |

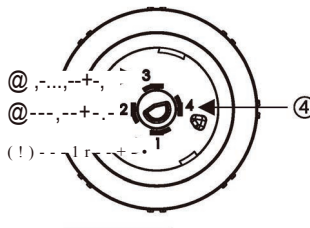
Maximum mounting use 40ft.

Recommend mounting use 30-35ft.

Note: the above detection range is gained if the detected person is between 1.6m-1.7m tall with middle figure and moves at a speed of 1.0-1.5m/sec. if person's stature, figure and moving speed change, the detection distance will also change.

PORT DESCRIPTION

- Port 1 : 12-24Vdc
- Port 2: GND/DIM -
- Port 3: DIM+
- Port 4: NC

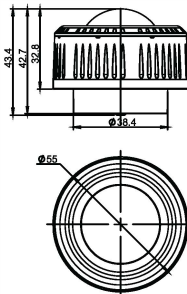




P10522 ANT-6-Z10



P10316 SEN-BRI-RC100



INTRODUCTION

ANT-6-Z10 is mounts in an outdoor/indoor lighting fixture(street lighting, garden lighting, passageway lighting) and provides multi-level control based on motion and/or daylight contribution.

It controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing.

SPECIFICATIONS

| | |
|--------------------|---|
| Power supply | 12V-24V DC, >30mA |
| Dim control output | 0-10V, max. 25mA sinking current |
| Remote range | 50ft. (15ml indoor, no backliht) |
| Dim control cutout | 0-10V |
| Detection radius | 20%/50%/75%/100%(1-Bml) |
| Mounting height | Max 40ft.(12meters) |
| Time setting | 10s/1 min/5min/1 0min/15min/20min/30min/60min |
| Light-control | 24H/1 0LUX/30LUX/50LUX |
| Temperature | -4 °F - +140 °F / -20 °C - +60 °C |
| IP ratino | IP65 |

⚠ WARNING

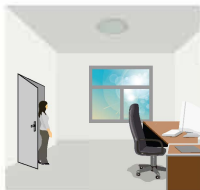
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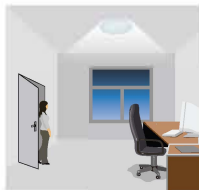
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Corridor Function

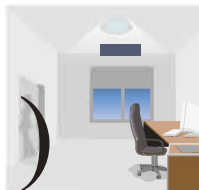
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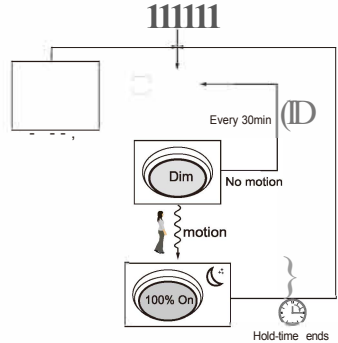
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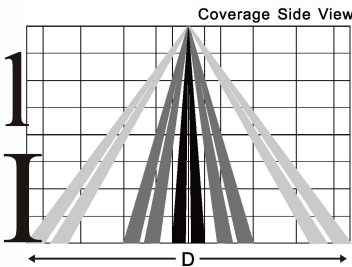
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The light automatically turns on at 10% when natural light is insufficient (no motion).



SENSOR_COVERAGE



| Height | Rang Diameter(D) | | | |
|--------|----------------------|---------------------|---------------------|---------------------|
| | Sensitivity 100%(ft) | Sensitivity 75%(ft) | Sensitivity 50%(ft) | Sensitivity 25%(ft) |
| 40 | 40 | 20 | 0 | 0 |
| 30 | 50 | 40 | 5 | 0 |
| 20 | 40 | 40 | 20 | 10 |
| 10 | 40 | 40 | 40 | 20 |

■ Minor Motion
 ■ Major Motion

Maximum mounting use 40ft.

Recommend mounting use 30-35ft.

The detection area for movement sensor can be roughly divided into two parts:

Minor movement (person moving < 3.0/s or 0.9m/s)

Major movement (person moving > 3.0/s or 0.9m/s)

PORT_DESCRIPTION

- Port 1 : 12-24Vdc
- Port 2 : GND/DIM -
- Port 3 : DIM+
- Port 4 : NC

