

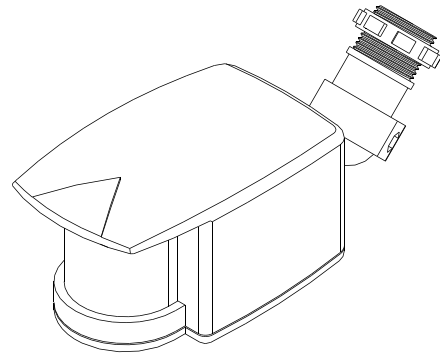
DPS1813 INFRARED SENSOR

Power indicating, Easy to Install

The product is a saving energy automatic switch which can turn on lamp when one comes and turn off it after leaves automatically. It adopts high sensitivity detector ,integrated circuit and SMD technology ; its performance is stable and reliable; when one enters detecting field and move, it can start the controlled load at once to turn on the lamp; after leaves the field, the lamp will go out automatically.

Specification:

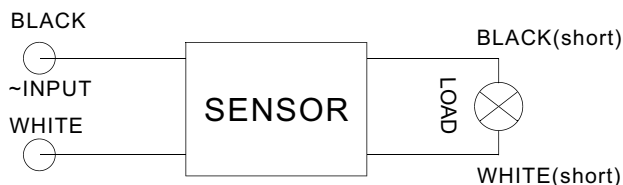
Power supply: 100~130V/AC
 220~240V/AC
 Power frequency: 50~60Hz
 Rated load: 1200W(220~240V/AC)
 800W(100~130V/AC)
 Time delay: 5~8S(test), 1~2Min, 4~6Min, 8~12Min
 Sense distance: 12m($\leq 22^{\circ}\text{C}$)
 Sense angle: 180°
 Ambient light: <10LUX~2000LUX (adjustable)
 Working temperature: -20~30°C
 Power consumption: 0.45W(static 0.1W)
 Sense motion speed: 0.6~1.5m/s
 Working humidity: <93%RH



Function:

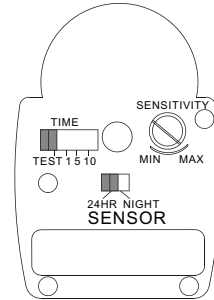
- Sense distance adjustable ;
- Light control set: "night" enote working only at night (<10LUX), "24HOUR" denote working in any ambient light;
- Time delay adjustable: you can set the lighting time according to your desire the product's time setting is "1":5~8S(test); "2": 1~2Min; "3":4~6Min; "4":8~12Min .
- Locking: 2sec later after Shut off power when the ambient light is below 10lux, switch on power, the sensor will be in the working state for long time, that called locking state. only when the ambient light is beyond 100lux, the locking will cancel automatically; if cancel locking when the ambient light is below 10lux, you only need shut off power for 4sec andthen switch on power, the sensor will be in auto state. This function is ineffective in the light beyond 10lux.

Connection figure



Test:

- * Slide time switch to "1" and sensitivity knob to half
- * Slide light control switch to "24HOUR", 40s later after switch on power the sensor enters working state, after the lamp goes out, move along direction of the lens's tangent in the detecting range, the lamp should light, under the condition that there is no continual sense, the lamp should go out after 5~8s;
- * Slide light switch to "night", if test it in the light beyond 10lux, the lamp doesn't work, with opaque cover the sense window, the load works; under the condition that there is no continual sense, the lamp should go out after 5~8s;
- * If above all are normal, with time delay switch (TIME) you can set the lighting time according to your desire and adjust the sensitivity knob (SENS) to adjust sense distance.



Attentions:

In front of detection window there should be no obstruction or moving object to affect its detection;
Avoiding installing it in the zones temperature change obviously for example: air conditioning, air heating.

Problem and solutions:

Load doesn't work:

- a) Check if the load's connection with power is correct;
- b) If the load is good;
- c) Please check if the working light you set corresponds to ambient light.

The sensitivity is poor:

- a) Please check if in front of the detection window there is block effecting sensor to Receive Signals;
- b) Please check if the ambient temperature is too high;
- c) Please check if the signals source is in the detection field;
- d) Please check the installation height;

The sensor can't shut off the load automatically:

- a) If there are continual signals in the detection fields;
- b) If the power correspond to the instruction;
- c) If the sensor is in lock state d If the air temperature change obviously near the sensor, for example air condition or centra heating etc.