

# 产品规格书

## PRODUCT SPECIFICATION

PRODUCT—产品: 柱状式微波天线 三防灯安装MODEL NO—型号: HD02S-6 1ADATE——日期: 2022-03-02PREPARED—编制: 夏勇CHECKED—审核: 陈启东APPROVED—批准: 周蒙

## 客户确认

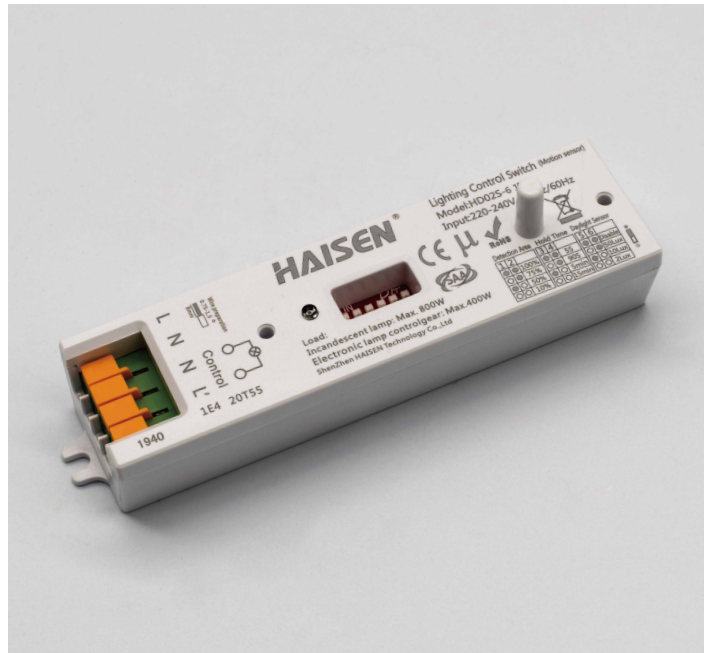
CUSTOMER RECEIVED

CUSTOMER—客户: \_\_\_\_\_

CHECKED——审核: \_\_\_\_\_

APPROVED—批准: \_\_\_\_\_

DATE——日期: \_\_\_\_\_

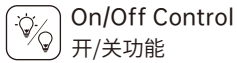


## 柱状式微波天线 三防灯安装 Rod antenna, DIP switch

### HD02S-6 1A

- 自动检测开 / 关功能 • 检测范围、延时时间和日光阈值可调
- 自动检测白天黑夜开 / 关灯 • 适用于线型灯或三防灯 • 5年质保

- Automatic On/off control with Daylight sensor.
- Optional detection range, holdtime and daylight threshold .
- Compact sized particularly suitable for Ceiling lights or Bulkhead.
- Loop in and loop out for easy installation.
- 5 year limited warranty.



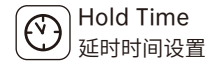
On/Off Control  
开/关功能



Detection Area  
探测范围设置



Daylight Sensor  
日光阈值设置



Hold Time  
延时时间设置

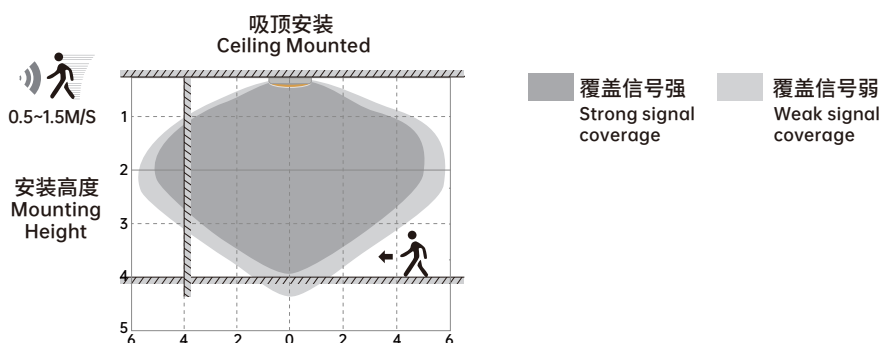


Warranty  
5年质保

## Technical Data 参数规格

工作电压 Operating Voltage <b>100-240VAC 50Hz/60Hz</b>	探测范围设置 Detection Area <b>10%/50%/75%/100%</b>	安装高度 Mounting Height <b>4m/13.12ft 吸顶安装</b> 4m/13.12ft Ceiling Mounted
连接方式 Connection <b>接线端子(L.N.N.L')</b>	延迟时间设置 Hold Time <b>5s/90s/5min/15min</b>	探测范围 Detection Range <b>ø10m/32.8ft 吸顶安装</b> ø10m/32.8ft Ceiling Mounted
控制负载能力 Power Capacity <b>100V 3A, 240V 2A</b>	日光阈值设置 Daylight Threshold <b>2Lux/10Lux/50Lux/Disable</b>	运动检测速度 Motion detection <b>0.5~1.5m/s</b>
待机功率 Stand-by Power <b>&lt;0.5w</b>	微波频率 Microwave Frequency <b>5.8GHz±75MHz</b>	IP 防护等级 IP Rating <b>IP20</b>
控制方式 Control <b>ON/OFF</b>	微波功率 Microwave Power <b>&lt;1mW</b>	质保 Warranty <b>5 years</b>
探测角度 Detection Angle <b>壁装≤150° 吸顶安装 360° 无玻璃罩</b> Wall Mounted≤150° Ceiling Mounted 360° Without Glass Cover	工作温度 Operating Temperature <b>-25°C~+60°C</b>	

## Detection Patterns 探测范围图

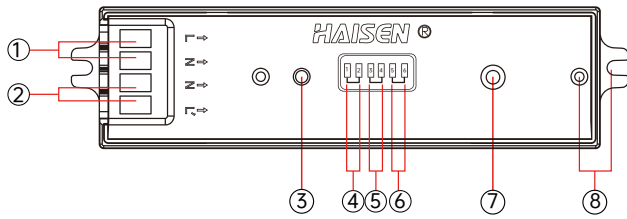


此图表示探测范围为100%时检测距离的参考图。

Highest mounting height is 4m

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

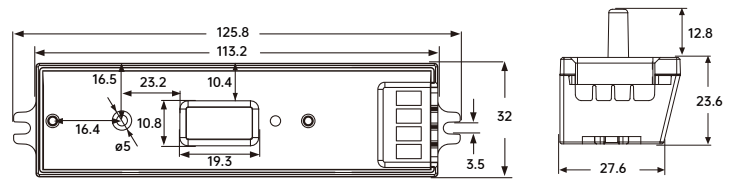
## Mechanical structure 结构图



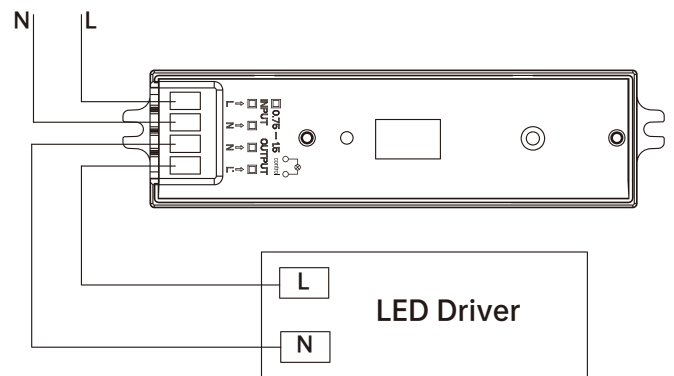
- ① 接市电 Input
- ② 接负载 Output
- ③ 日光感应器 Daylight Sensor
- ④ 探测范围设置 Detection Area
- ⑤ 延时时间设置 Hold Time
- ⑥ 日光阈值设置 Daylight Threshold
- ⑦ 微波天线 Antenna Module
- ⑧ 安装孔 Installation Hole

## Dimensions 尺寸图

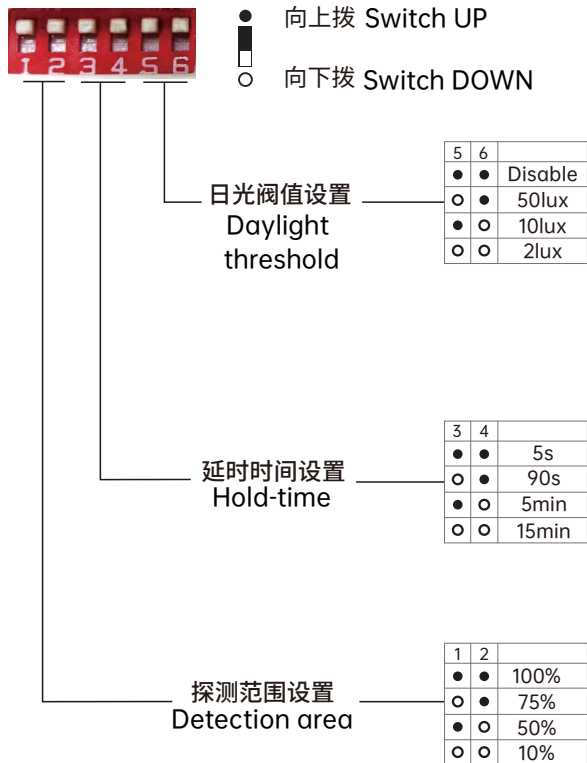
Unit:mm



## Wiring Diagram 接线图



## Dial code setting 拨码设置



即检测环境光亮/暗的设置。光感检测优先于运动感应, 可按需求设定光感阈值, 如光感选择关掉 (Disable) 则是运动感应优先。

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

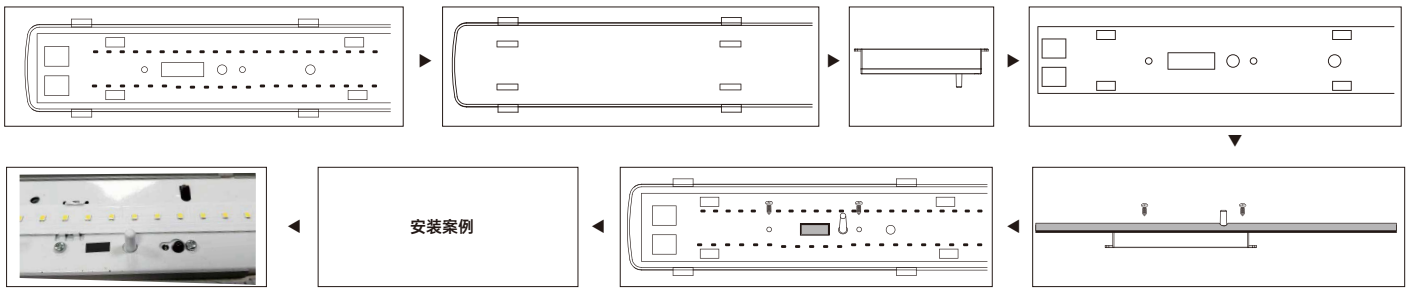
延迟时间即在人离开感应区域后, 灯保持100%亮度延迟的时间, 可通过拨码 (3、4) 设置。

The period of light keeping 100% brightness after moving objects leave the detection area.

探测范围指微波感应检测区域或覆盖率大小的设置, 它可以通过拨码向上或向下拨来进行设置。

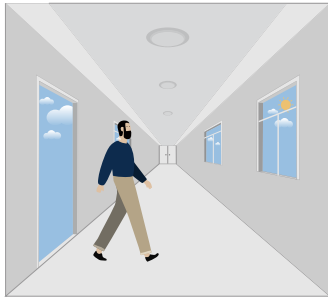
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

Please ensure no any metal is thielding the sensor antenna. 安装时注意微波模组上不能有金属物遮挡



## Performance 功能图示

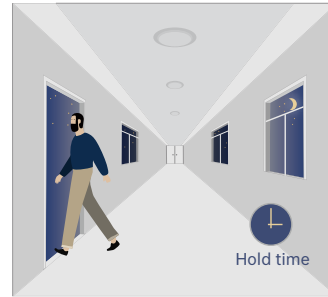
### 1. Automatically ON/OFF function 自动开/关功能



环境光亮度充足时，即使检测到运动，感应器也不亮灯。  
With sufficient daylight, even when motion detected, light remains OFF.



当环境光亮度不足时，检测到运动后，感应器自动亮灯。  
With insufficient daylight, the sensor turns light ON when motion gets detected.

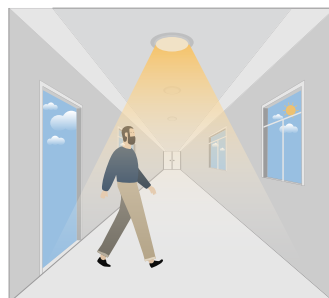


感应器检测不到运动后，自动进入延时时间，延时时间后自动关灯。  
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

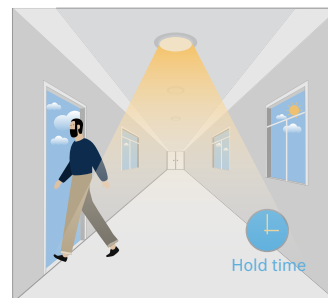
### 2. Daylight Disable 光感不受控功能

当自然光阈值设定为disable时，即完全不考虑自然光亮度，感应器检测到运动即亮灯。

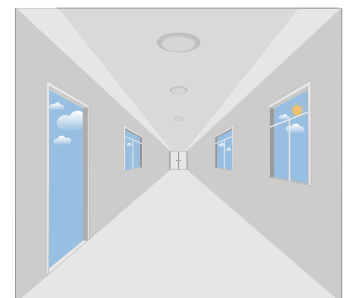
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after hold-time.



检测到运动后，感应器自动亮灯。  
The sensor turns light ON when motion gets detected.



感应器检测不到运动后，自动进入延时时间。  
The sensor keeps light ON for holdtime period after motion leaves.



延时时间后自动关灯。  
The sensor turns OFF light automatically after the holdtime.



## Attention 注意事项

1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
  2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
  3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
  4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.
- 1、使用本产品前请仔细阅读使用说明，并妥善保管以便所有使用者随时参阅。
  - 2、感应器应由专业的电工安装，并确保在安装前，切断电源。
  - 3、我们将保留对任何错误文字或图像以及必要的技术参数做出修改的权利。
  - 4、未经授权不得擅自修改感应器，否则一切签约保证将立即失效。

### Installation precautions 安装注意事项

1. Microwave sensor can be installed in any lamp except the one with full metal shell.
  2. The detected surface cannot be shielded by metal objects.
  3. Make sure the microwave module is completely exposed outside.
  4. The detection surface of the sensor module shall be installed facing the detection area.
  5. Should be kept away from the driver to avoid interference generation and lamp flashing.
  6. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.
- 1、除全金属壳灯具外，微波感应器可内置安装在其它任意灯具内。
  - 2、微波感应面不能有金属物体遮挡。
  - 3、开孔安装时，确保微波模块应完全裸露在外，否则会导致灯常亮或不灭。
  - 4、感应模组探测面应面对检测区安装，否则会导致无感应或灯常亮。
  - 5、应与驱动保持距离，否则会产生干扰，导致灯闪。
  - 6、须严格按照接线图接线，否则会导致感应器短路。

### Application Environment 应用环境

1. Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree swing.
  2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
  3. Shall note be mounted installation, so as to avoid false trigger caused by the lamp itself shaking.
  4. Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.
- 1.适用于室内安装，以免外界因素如下雨、刮风或树木摆动而误触发微波感应器。
  - 2.避免安装在四面都有金属遮挡物，且空间狭小的地方（如铁皮房），以免造成灯常亮等自激现象。
  - 3.避免悬挂式安装，以免灯具自身摇晃引起的误触发。
  - 4.避免安装在大型运作的机器旁（如抽风机/吊扇），以免机器震动引起误触发。

### User Notes 用户须知

1. Microwave can penetrate walls or glass thinner than <20mm and attenuate if thicker than <20mm.
  2. The driver voltage shall be stable and float within 10%.
  3. Detection area will be affected by speed of motion, mounting height and movement volume.
  4. Conduct test on sunny days without the lampshade which will affect the tested lux value.
- 1.除金属外，微波可穿透墙壁或玻璃（<20mm），但会有衰减。
  - 2.驱动电压需稳定，不能超出或低于工作电压±10%
  - 3.微波感应器会受安装环境、灯具、测试人员身形和速度的影响，探测范围会有所差异。
  - 4.测试所得的Lux值会受灯具安装方式和灯罩材料的影响，建议在无灯罩的晴天进行测试。