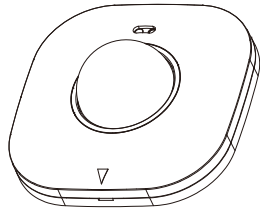


High-mounting PIR motion sensor (Casambi+ON/OFF version)



User's Manual



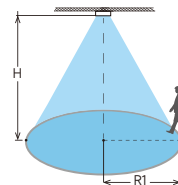
EN

Instruction
M1250805A0

PARAMETERS

Model	MSA227S IR B1
Rated Voltage	220V AC
Input Voltage	220-240V AC
Working Current	20mA max
Power Consumption	≤0.5W @220/230V AC
Output Signal	1 channel ON/OFF+casambi BLE
Max. Surge Capacity	50A (50% Ipeak, twidth =200us, 230Vac full load, cold start)
Function	PIR motion detection+ daylight sensor
Detection Area	Casambi app or MH10 remote setting: 100%/75%/50%/25%
Sensor Hold Time	MH10 remote setting: 2s/30s/60s/3min/5min/20min/30min
Daylight Sensor	0-1200lux
Radius Detection Range based on 100% sensitivity and tangential moving)	4-5m@25°C based on 6m mounting height(radial moving trigger range shall be less than tangential moving)
Remote Control	Available
Mounting Height	2.5-10m, typical value:8m
Drill Hole	Φ55mm
Working Temperature	-25°C...+50°C(detection range might differ based on different temperature)
Storage Temperature	-40°C--+80°C
Warranty	5 year (available based on product quality under indoor application)
Certificate	Compliant to CE SAA
Environmental Requirements	Compliant to RoHS
IP Rating	IP20(flush mounting) IP54(surface mounting)

DETECTION AREA



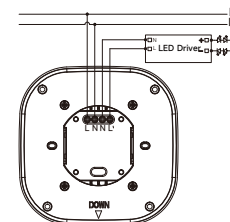
Major motion activates

- Major motion activates: detect the human significant moving (walking) in the detection area.

Detection sensitivity	100%	75%	50%	25%
Radius detection range based on 8m height	4.5-5.0m	3.5-4.5m	3.0-3.5m	2.0-3.0m

Tips: Above data is based on 1.6m height people tangential moving towards sensor by 0.3m/s velocity in 81 m² open area for reference. If any variate changes, the detection range might be different.
Factory settings: Detection Area:100%, Hold Time: 2s, Indicator:ON

WIRING INSTRUCTION

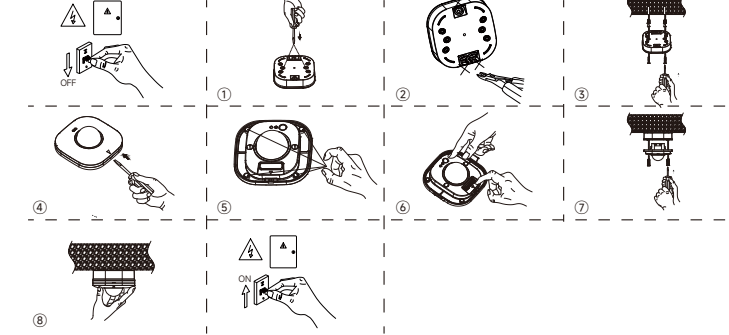


Wiring layout suggestion:

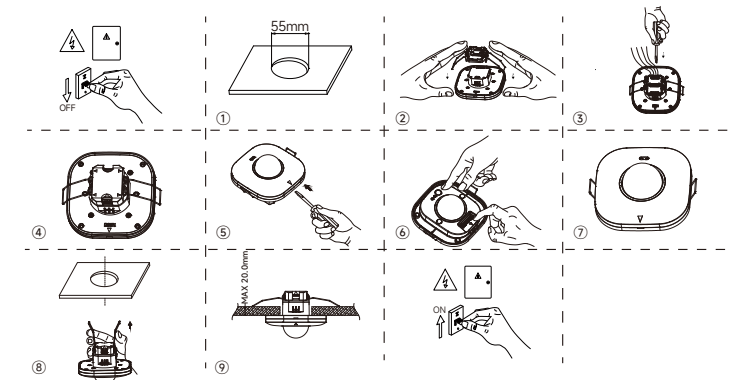
- LN terminal stands for AC input, 'L' 'N' stands for AC output, please wiring correctly
- One sensor's max loading capacity is 800w resistive loading and 400w inductive loading for one single load. if you want connect more load in one loop, we recommend to add an AC contactor in our output LN terminal to avoid momentary surge overload

INSTALLATION

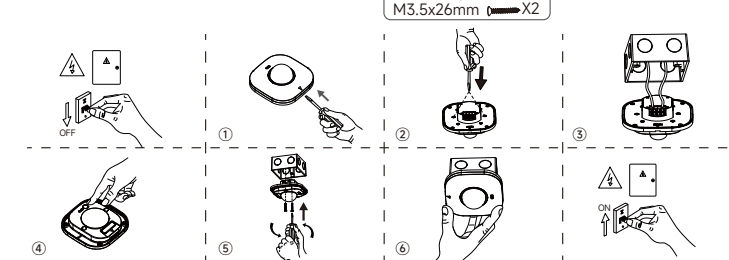
Surface mounting



Flush Mounting



Mounted with EU 86 type switch socket box



APP INSTRUCTIONS


Casambi APP
Download(IOS)

Scan the QR code to
download
Casambi APP

Function Configuration
Download

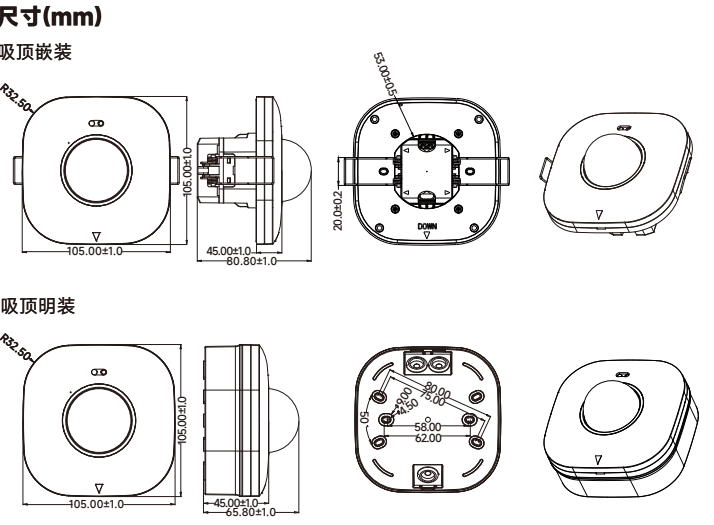
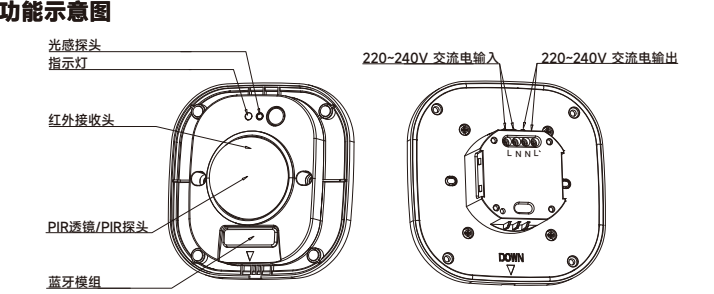


产品介绍

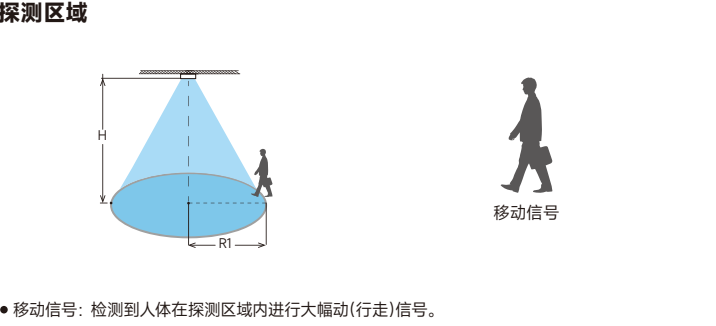
MSA227S IR B1 是迈睿科技自主设计推出的一款高空吸顶嵌装的 PIR+ 光感传感器，其采用被动红外技术，能够实时感知探测区域内人或宠物的移动信号。同时产品还内置了光照传感器，可实时感知周围环境的光照强度，并结合 PIR 红外感知情况为当下基于人体感应和环境光照的智能家居，智慧酒店，智慧办公等场景提供快速且精准的前端传感输入，同时其可轻松接入 casambi 蓝牙无线控制生态并支持一路本地继电器开关控制。

初始化

初次通电产品进入自检状态，指示灯闪烁 30 秒后关闭并发送有人指令，初始化期间不探测外界移动感应信号,指示灯延时时间、探测范围(感应距离)可以通过 casambi APP 来设置。



型号	MSA227S IR B1
额定电压	220V AC
电压范围	220-240V AC
工作电流	20mA max
工作功耗	≤0.5W @220/230V AC
输出信号	继电器开关+Casambi
负载浪涌电流	50A 在 50% Ipeak 下测试 twidth 200us @230Vac 满载情况下冷机启动
感应方式	PIR 红外热释电+光感探测
感应范围	Casambi app/MH-10 遥控设置：100%/75%/50%/25%
延时设置	MH-10 遥控设置：2s/30s/60s/3min/5min/20min/30min
光感上报范围	0-1200Lux
探测范围	移动（6m 高）：4-5m @25°C (100%灵敏度，半径)
遥控功能	支持
安装高度	2.5-10m 典型值：8m
开孔尺寸	Φ55mm
工作环境温度	-25°C~+50°C（温度越低，感应距离可能变远，温度越高，感应距离可能变近）
储存温度	-40°C~+80°C
质保	5年（仅限室内使用情况下产品本身质量问题）
符合认证	CE SAA
环保要求	符合欧盟 RoHS 要求
防护等级	IP20(吸顶嵌装) IP54（吸顶明装）



档位	100%	75%	50%	25%
安装 8 米高的感应半径(R)	4.5-5.0m	3.5-4.5m	3.0-3.5m	2.0-3.0m

注意：以上测试数据基于 81 m² 开阔空间，1.6m 高测试人员以 0.3m/s 切向走向传感器直至触发所得。在不同空间下，不同体态的人以不同速度走向传感器的触发距离可能有所偏差。
出厂设置：检测范围：100%，延时设置：2S，指示灯：打开

