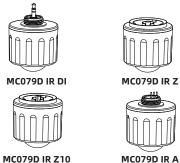


High Mounted Sensor User's Manual

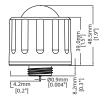


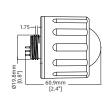


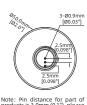


DIMENSION(mm)

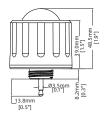
MC079D IR A

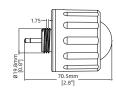






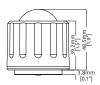
MC079D IR DI







MC079D IR Z







MC079D IR Z10





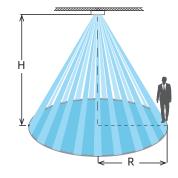


SPECIFICATIONS

Model	MC079D IR DI	MC079D IR Z	MC079D IR Z10	MC079D IR A		
Interface	Earphone	Zhaga Book 18	Zhaga Z10	Thimble		
Rated voltage	12±1Vdc					
Rated current	<30mA					
Working mode	0 -10VDC dimmir	ng signal				
Transmitting Power	3mW Max.					
Detection mode	PIR detection					
Daylight sensor	5lux/15Lux/30Lu	x/50Lux/100lux/150lux/Di	sable			
Daylight harvesting (see note 1)	200Lux/300Lux/400Lux/500Lux/600Lux/700Lux					
Daylight priority	ON	5Lux/15Lux/30Lux/50Lux	100Lux	150Lux		
(see note 1)	OFF	150Lux	200Lux	300Lux		
Stand-by DIM Level	10%/20%/30%/5	0%				
Detection area	≥9.84ft(3m) @ceiling mounting height 26.3ft(8m)					
Mounting height	Typical 26.3ft(8m), 39.3ft(12m)Max					
Operating temperature	-20°C~+55°C					
Storage temperature	-40°C~80°C, humidity ≤85% (non-condensing)					
IP Rating	IP65 (INDOOR USE ONLY)					
Installation requirements	Plug in installation					
Warranty	5 years warranty @Ta, indoor use only					

Note 1: Daylight priority or daylight harvesting function is not included in all models, which only can be required by customer before leaving factory.

DETECTION AREA

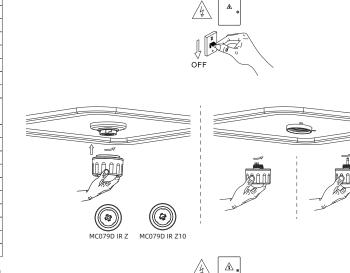


Detection area (R)							
Detection sensitivity Mounting height (H)	100%	75%	50%	25%			
6m(19.6ft)	≥3.5m(11.4ft)	≥2.5m(8.2ft)	≥1.5m(4.9ft)	≥1m(3.2ft)			
8m(26.2ft)	≥4m(13.1ft)	≥3m(9.8ft)	≥2m(6.5ft)	≥1m(3.2ft)			
10m(32.8ft)	≥3.5m(11.4ft)	≥2.5m(8.2ft)	≥1.5m(4.9ft)	No detection			
12m(39.3ft)	≥3m(9.8ft)	≥2m(6.5ft)	No detection	No detection			

INITIALIZATION

- On/Off function / 3-Step dimming function: the sensor turns on the light at 100% brightness, and will be turned off after 45-60s seconds. During initialization, the sensor is not able to detect movement.
- 2. 2-Step dimming function: the sensor turns on the light at 100% brightness. After 45-60s seconds, it dims the light to low light level (the brightness set by stand-by dim level). During initialization, the sensor is not able to detect the movement.

INSTALLATION





- 1. The installation work, maintaining work and electrical wiring etc., and these must be done by qualified person(s), or the equivalent .
- 2. Please refer to wire diagram before wiring, cut off power before wiring.



APPLICATION NOTICE

- trigger the sensor.
- 2. This product needs to be installed firmly to avoid false triggering caused by shaking.
- 3. AUX LED driver with stable output voltage and low ripple must be used. The ripple of the AUX power supply should be less than 100mv; the load current should be greater than 50 m $^{\Delta}$

1. Suitable for indoor application, half/completely outdoor environment conditions might

- 4. Daylight sensor and daylight harvesting testing delivered in bright day without shadow or specially designed lampshade or lens, it may be affected by weather, cover and lumen of light in actual use.
- 5. Dimming performance differs when connected to different drivers, the min. Dim level is determined by the LED driver.
- 6. The distance is related to factors such as the ambient temperature, the installation height, the weather and whether the installation environment is open. The detection distance given in the manual is a typical value, it is tested by 165cm/65kg people who walks in an open indoor environment.
- 7. PIR sensor is not suitable to be used in the environment with sudden changed temperature of airflow.
- 8. When ambient temperature approaches the human body temperature range ($36^{\circ}\text{C}\sim37^{\circ}\text{C}$ /96.8~98.6°F), PIR motion detection will significantly weaken or non-responsive.
- 9. When ambient temperature or LED tray temperature is higher than 40°C/104°F, false triggering may happen, please try to reduce detecting sensitivity to improve. If stays false triggering, the PIR sensor should not suitable to be used in the space.

Remote Control Setting	Function	Button	Remarks				
	Reset	Reset	Short press to reset the sensor, and light flash once, restoring the sensor parameters to the default factory settings				
5m 10m 15m	Parameters & configuration		Set the corresponding parameters according to the icons, and the light will flash once upon successful setup (see Figure 1 for more details). Cons				
<u>↑</u> 25% 50% 75% 100% <u>↑</u> 10% 20% 30% 50%	Enable high/ low sensitivity mode	(HS) (LS)	Short press "LS" to enable Low Sensitivity Mode, the lamp will flash once upon successful setup. This mode can be applied in highly reflective environments where the sensor is unable to turn off the light. Short press "HS" to enable High Sensitivity Mode, the lamp will flash once upon successful setup.				
55 305 1m 3m 5m 10m 20m 30m 10m 10m 30m 10m 10m 10m 10m 10m 10m 10m 10m 10m 1	Enable daylight priority mode	DH Mode	Long press to enable Daylight Priority Mode, the lamp will be turned on when the lux level is below pre-set turn-on value and turned off when lux level exceeds the pre-set turn-off value (see Figure 2). Options				
COULTED TO Disable Court of Children Children Court of Children Court of Children Court of Children Children Court of Children Ch	Override daylight priority mode	Override DH	Press (***) to override daylight priority mode, and sensor parameters will be the last configured settings.				
DIM+ Mode DIM- QS1 QS2 QS3	Quick setting	QS1) QS2) QS3)	Short press QS1, QS2, or QS3 (QS: Quick Setting) to quick set multiple parameters of the light (as shown in the table below). The light will flash once upon successful setup. Quick Setting Dection Hold Stand-by Stand-by Daylight High/Low Sensitivity				
(HS) (LS) (TEST)	Dim level	DIM+ DIM-	Short press (w) to increase the dim level (see Figure 1) by 2% each time. Long press to continuously increase the brightness. Short press (w) to decrease dim level by 2% each time. Long press to continuously decrease the brightness, with a minimum brightness of 50% (The minimum brightness of some products can be adjusted to 15%. Please refer to the actual product for specific details.)				
	Disable sensor mode/ light permanently on/ off	(ON/OFF)	Short press to turn off the sensor function. The light can be controlled to state permanently on or off. In permanently on mode, the light stays permanently on after reconnecting power. And in permanently off mode, the light turns on for 2 second and then stay off after reconnecting power.				
	Enable sensor mode	Sensor Motion	Short press to restore the sensor function. The light will flash once after successful setting, and sensor parameters will be the last configured settings.				
	Factory test mode	(TEST 28	Press to enter Factory Test Mode. The light will flash once upon successful setting Detection				
	Dim test	DIM Test	Short press this button, and the light will automatically dim and return to trigger brightness. This button can be used to check if the dimming function of the light is working properly.				
	Remote distance	5m 10m 15m	Toggle button to set the remote distance of the remote control. For example, it can be set to 15m for warehouses.				

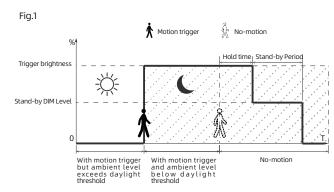


Fig.2

**Motion trigger No-motion

**Motion trigger No-motion

**Hold time Stand-by Period About 6s

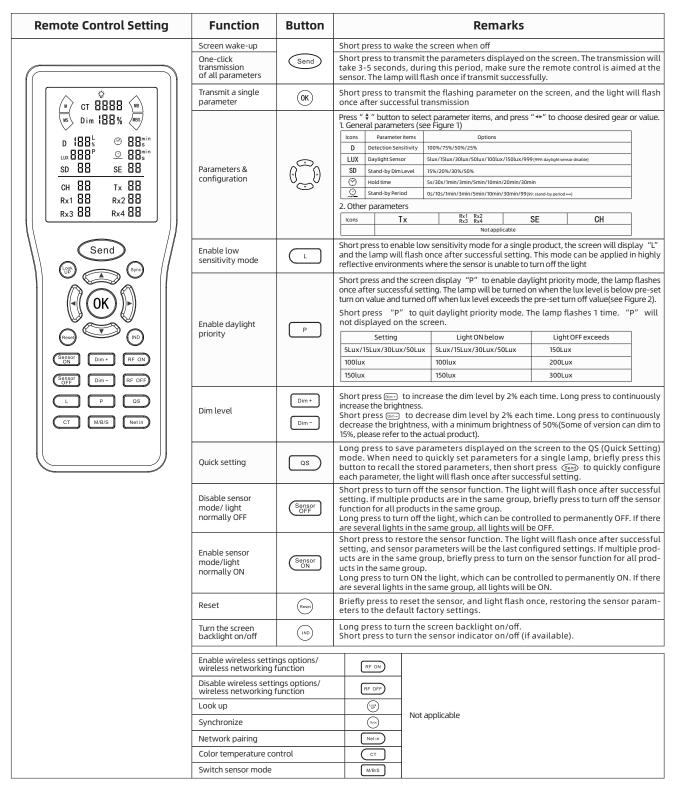
Stand-by DIM Level

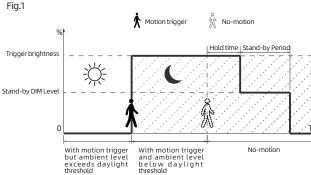
Ambient level exceeds daylight threshold

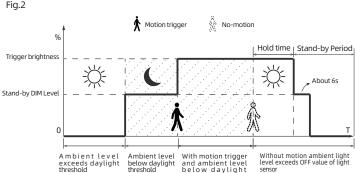
Ambient level below daylight threshold

With motion trigger and ambient level below daylight threshold

Without motion ambient light level exceeds OFF value of light sensor









高安装感应器用户手册





MC079D IR DI



MC079D IR Z10



MC079D IR Z



MC079D IR A

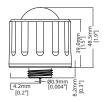


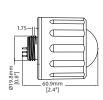


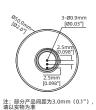
使用说明书 MI250422A0

尺寸 (mm)

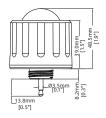
MC079D IR A

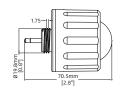






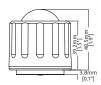
MC079D IR DI







MC079D IR Z







MC079D IR Z10





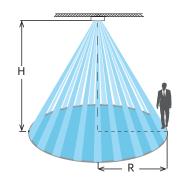


参数

型号	MC079D IR DI	MC079D IR Z	MC079D IR Z10	MC079D IR A		
接口	耳机接口	Zhaga Book 18	Zhaga Z10	三针接口		
额定工作电压	12±1Vdc					
额定电流	<30mA					
工作模式	0-10Vdc 调光信号	1				
传输功率	3mW Max.					
检测模式	热释电被动红外检	立 测				
光感阈值	5lux/15Lux/30Lu	x/50Lux/100lux/150lux/Di	sable			
光控自适应 (见注1)	200Lux/300Lux/400Lux/500Lux/600Lux/700Lux					
光控优先	开启值	5Lux/15Lux/30Lux/50Lux 100Lux 15				
(见注1)	关闭值	150Lux	300Lux			
调光比例	10%/20%/30%/50%					
感应范围	≥9.84 英尺 (3m)@ 吸顶安装高度 26.3ft(8m)					
安装高度	典型值 26.3ft(8m), 39.3ft(12m)Max					
工作温度	-20°C~+55°C					
储存温度	-40℃~80℃,湿度≤85% (不凝结)					
防护等级	IP65 (仅限室内使用)					
安装要求	插拔快接安装					
质保	5年质保@Ta,仅限室内使用					

注1: 并非所有型号都包含光控优先或光控自适应功能,请在出厂前备注需求,具体功能以实物为准。

感应范围



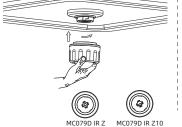
感应范围 (R)							
感应灵敏 安装高度 (H)	100%	75%	50%	25%			
6m(19.6ft)	≥3.5m(11.4ft)	≥2.5m(8.2ft)	≥1.5m(4.9ft)	≥1m(3.2ft)			
8m(26.2ft)	≥4m(13.1ft)	≥3m(9.8ft)	≥2m(6.5ft)	≥1m(3.2ft)			
10m(32.8ft)	≥3.5m(11.4ft)	≥2.5m(8.2ft)	≥1.5m(4.9ft)	无感应			
12m(39.3ft)	≥3m(9.8ft)	≥2m(6.5ft)	无感应	无感应			

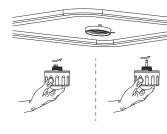
初始化

- 1. 开关功能 / 三段调光功能: 上电后进入初始化,灯亮 45-60 秒后关闭。在初始化过程中,传感器不检测 移动
- 两段调光功能:上电后进入初始化,灯亮45-60秒后调暗至低亮度(预设的低亮度)。在初始化过程中, 传感器不检测移动。

安装









警告

- 1. 安装工作、维护工作和电气接线等, 必须由专业人员完成。
- 2. 安全及接线前请参考接线图, 安装、接线前请先断电。



注意事项

- 1. 本产品适用于室内安装使用;半户外或全户外环境下使用时,可能会导致感应器误触发。
- 2. 本产品安装需固定, 避免晃动产生误触发。
- 3. 须使用输出电压稳定及纹波系数低的直流稳压电源,供电电源纹波应小于 100mV;负载电流应大于 50mA。
- 4. 光感阈值、恒光功能测试是在晴天、自然光照条件充足时完成,实际应用时可能受天气、灯罩、灯光 通量的影响。
- 5. 感应器的调光效果与 LED 驱动相关, 最小调光亮度由 LED 驱动决定。
- 6. 探测距离与被测物体的移动速度、大小和安装高度,安装方式、是否是安装于开放空间及空间中的反射材料相关,探测距离是由165cm/65kg的测试人员在空旷环境下测试所得的典型值。
- 7. 红外感应器不能在温度突变或气流的环境中使用, 否则容易误触发。
- 8. 当环境温度与人体温度(36℃~37℃/96.8~98.6°F)接近时,红外感应器的感应效果会明显减弱或无感应。
- 当环境温度或感应器安装面温度高于40℃/104℉时,红外感应器可能出现误触发,请尝试降低灵 敏度改善,如无法改善,则该环境不适合红外感应器。

遥控设置	功能	按键	功能描述							
	重置感应器	Reset	短按重置感应器,感应参数恢复到默认出厂设置,灯具闪烁一次。							
			根据图标按对应所需参数,设置成功灯具闪烁一次(各参数功能见图1)							
			图标 参数项目			档位				
			10.	.加 感应灵敏度(Detection Sensitivity)		25%/50%/75%/100%				
	参数选择及设置		低亮亮度(Stand-by Dim Level)		10%/20%/309	10%/20%/30%/50%				
	多数处拜及议直	0s 10s 1m 3m	<u>⊗</u>	延时时间(Hole		5s/30s/1min/	/3min/5min/10mir	/20min/30min		
				守候时间(Star			'3min/5min/10min y period+∞)			
5m 10m 15m		100L [50L (mass) (mg)		光感阈值(Day				ux/150Lux/Disable		
						(Disable, day)	ilgiit serisor disabit	=)		
<u>10%</u> 20% 30% 50%	开启高感 / 低感模式	HS LS	短按 LS 打开低感模式(Low Sensitivity Mode),设置成功灯具闪烁一次;强反射环境下感应器不能关灯可开启该模式; 短按 HS 打开高感模式 (High Sensitivity Mode),设置成功灯具闪烁一次。					乐一次。		
5s 30s 1m 3m				F启光控优先档 闭值关灯,功		ity Mode); 🛭	不境光低于设置的	为开启照度值开灯,高 ————————————————————————————————————		
5m (10m (20m (30m))			档	位选择	开启照息	E值(ON)	关闭照度值(O	FF)		
	开启光控优先模式	(DH (Mode)	5Lux/15Lu	5Lux/15Lux/30Lux/50Lux 5Lux/15Lux/		30Lux/50Lux 150Lux				
Os 10s 1m 3m			100lux 100lux		200Lux					
5m 10m 30m +∞			150lux		150lux		300Lux			
5L 15L 30L 50L 100L 150L Disable COUNTING	退出光控优先模式	Override DH	按例如可退出光控优先模式,光感值设置恢复到上一次设置。							
			短按 QS1, QS2 或 QS3 (QS: Quick Setting) 一键设置该灯的多项参数 (如下表),设置成功灯具 闪烁一次							
ON/OFF Reset Sensor DIM Test		QS1)(QS2)(QS3)			快速设置	感应灵敏度	延时时间 守	候时间 低3	亮亮度 光感阈	值 高/低感
	快速设置参数		QS1	100%			10% 30Lu			
DIM+ (DH Mode) DIM-			QS2	100%	10min :	30min 1	10% Disab	le HS(高感)		
QS1) QS2) QS3)			QS3	100%	20min	30min 1	10% Disab	le HS(高感)		
QS1) QS2) QS3) HS LS TEST 25	亮度调节	DIM+ DIM-	短按 🔤 🗖	周亮灯具有人触发亮度(见图 1),每次调亮 2%,长按此键可连续调亮; 订调暗灯具亮度,每次调暗 2%, 长按此键可连续调暗, 最小可调至 50%(8 可调至 15%,具体请以实际产品为准)						
	关闭感应模式 / 灯常开或常关	ON/OFF)	短按					,重新上电初始化状		
	恢复感应模式	Sensor Motion	短按恢复感	 感应功能,设置	置成功灯具闪烁一次	文, 感应器参数		量的参数。		
			按下此键进	性入工厂测试	模式,灯具闪烁一点	欠代表设置成工	功。			
	工厂测试模式	TEST	TEST	TEST	感应灵 Detectio	敏度 延	时时间 守候E d Time Stand-by	时间 (Period Star	低亮亮度 nd-by Dim Level	光感阈值 Daylight Sensor
		28	100		25 09		N/A	Disable		
	检查调光功能 是否正常	DIM Test			并恢复到触发亮度,					
	遥控距离设置	5m 10m 15m	拨动开关壳设置遥控器的发射距离,如仓库可设置为 15m							

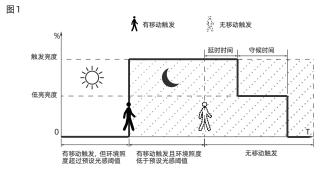
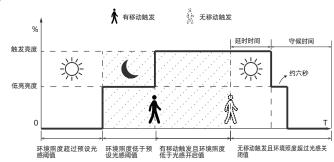


图 2



遥控设置	功能	按键	功能描述				
	屏幕唤醒		熄屏时,短按唤醒屏幕。				
	一键发射全部参数	Send	短按发射屏幕显示的参数 闪烁一次。	,发射需	要 3-5 秒,期间需确保证	遥控对准感应器,发射成功灯具	
Ст 8888 (мв)	发射单个参数	(OK)	短按发射屏幕上正在闪烁的参数,发射成功灯具闪烁一次。				
D (88%	参数选择及设置		按 " * " 上下方向键所需设1.常规参数 (见图 1) 图标 参数项目 D 感应灵敏度(Detection Se LUX 光感阈值(Daylight Senso SD 低亮亮度(Stand-by DimL ② 延射时间(Hold time) ① 中候时间(Stand-by Perio 2. 其他参数 图标 Tx	ensitivity) rr) .evel)	100%/75%/50%/25% 5lux/15lux/30lux/50lux/100lu 15%/20%/30%/50% 5s/30s/1min/3min/5min/10mii 0s/10s/1min/3min/5min/10mii	整连择想要设置的具体档位或数值: 相位 ix/150lux/999(999: daylight sensor disable) in/20min/30min //30min/99(99: stand-by period+=)	
Send	开启低感模式	L	短按打开单个产品低感模式 反射环境下感应器不能关紧			成功屏幕显示"L",灯具闪烁一次;强	
(Copt OK) (Sync) (Sync	开启或关闭光控优先	Р		光控优先 「,高于设置 其式,灯具	模式(Daylight Priority N 置的关闭值关灯(见图 2) ;		
Sensor Dim- RF OFF L P QS CT M/B/S Net in	亮度调节	Dim +	短按 [am] 调亮灯具亮度,每次调亮 2%,长按此键可连续调亮; 短按 [am] 可调暗灯具亮度,每次调暗 2%,长按此键可连续调暗,最小可调至 15%(部分产品仅支持调整为 50%,具体以实物为准)				
	快速设置参数	QS	长按可将屏幕显示的感应参数存储到 QS (Quick Setting) 模式中);需要快速设置单个灯具参数时,可短按此键调出已存储的参数,再短按 (@ng) 键快速设置各项参数,设置成功灯具闪烁一次。				
	关闭感应模式 /灯常关	Sensor OFF	短按关闭感应功能,设置成功灯具闪烁一次;如有多个产品在同一组,短按可关闭同组产品感应功能; 长按关灯,灯具常灭。				
	打开感应模式 /灯常开	Sensor ON	短按恢复感应功能,设置成功灯具闪烁一次,感应器参数为最后一次设置的参数;如有多个产品在同一组,短按可开启同组产品感应功能; 长按开灯,灯具常开。				
	重置感应器	Reset	短按重置感应器, 感应参数恢复到默认出厂设置, 灯具闪烁一次。				
	开/关屏幕背光灯 开/关感应器指示灯	(IND)	长按打开 / 关闭屏幕背光 ; 短按打开 / 关闭感应器工作指示灯 (如有)				
	开启无线设置选项 / 开启无线组网功能		RF ON				
	关闭无线设置选项 /关闭无线组网功能		RF OFF				
	查询感应器参数		本产品	品不适用			
	同步感应器参数		(Syrc)				
	进入配网状态		Net in				
	切换色温		СТ				
	切换感应模式		M/B/S				

图1

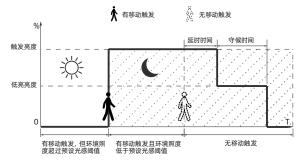


图2

