

Title	Specification of Sensor				Type	A0
Product	Sensor	Model	MC070S E	File NO.		
Organized by::	Audited by :		Approved by:		Date: 2018-6-12	

Type	Model	Updating	Progress	Date
A0	MC070S E	The first type	Design verification	2018-6-12

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1. Advantages :



- Smart body , could be mounted into light fixture
- Dip setting make precise data as needed
- Terminal design for both in and off connection

2. Parameter :

Input	Operating Voltage	198-264V AC 50Hz/60Hz
	Direct Voltage	N/A
	Rated Voltage	220-240V AC 50Hz/60Hz
	Idle Power	N/A
	Stand-by Power	≤0.5W
	Lightning Surge	1KV between L and N
Output	Working Model	ON/OFF
	Type of Load	Inductive or Resistive
	Power of Load	Inductive (400W) ; Resistive (800W)
	Current of Load	N/A
	Surge Current of Load	30A (50% I_{peak} , $t_{width} = 500\mu S$, 230Vac full load, cold start) ; 60A (50% I_{peak} , $t_{width} = 200\mu S$, 230Vac, full load, cold start)
Connection	1-10Vdimnable	N/A
	Synchronous control	N/A
	High low-level	N/A
	PWM Control	N/A
	Type of wiring	N/A
Sensor	Operating Frequency	5.8 GHz \pm 75 MHz , ISM Band.

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Parameters	Transmitting power	0.5mW Max.			
	Hold time	5S/1Min/5Min/10Min			
	Dim down	N/A			
	Stand-by	N/A			
	Sensitivity	100%/50%			
	Daylight Sensor	25lux/Disable			
	Daylight on/off	N/A			
	Detecting Radius	4-7M (mounting height by 3m)			
	Mounting Height	Suggested 3-6M, ceiling mounting			
	Detecting Angle	N/A			
Wireless Module	Operating Frequency	N/A			
	Transmitting power	N/A			
	Transmitting distance	N/A			
	Modulation mode	N/A			
	Number of coding	N/A			
Operating Environment	Operating	Temperature, -20°C...+60°C, Humidity : 85% Non-condensing)			
	Storage	Temperature -40°C...+80°C Humidity: 10%-95%			
Certificate Standards	Safety standards	EN61058-1			
	EMC standards	EN300440 EN301489-1 EN55015 EN61547 EN61000-3-2 EN61000-3-3 EN62479			
	Environmental protection	Compliant to RoHS			
	Certificates	Compliant to CE TUV RED			
Others	Wiring	Press Terminal, wire diameter : 0.75-1.5mm ²			
	IP Rating	IP20			
	Protection Class	Class II			
	Installation	Interior installed			
	Mounting size	62*36*25mm			
	Package	PE bag+ White box+ Instruction+ Clapboard + Carton (K=A)			
	Net Weight	N/A			
	Lifespan	50000h @ Ta Full load			
Remark : 1. "N/A" means not available 2. Each data is tested under certain condition					

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3. Function

On/OFF Function



① With sufficient ambient light, the light will not be switched on.

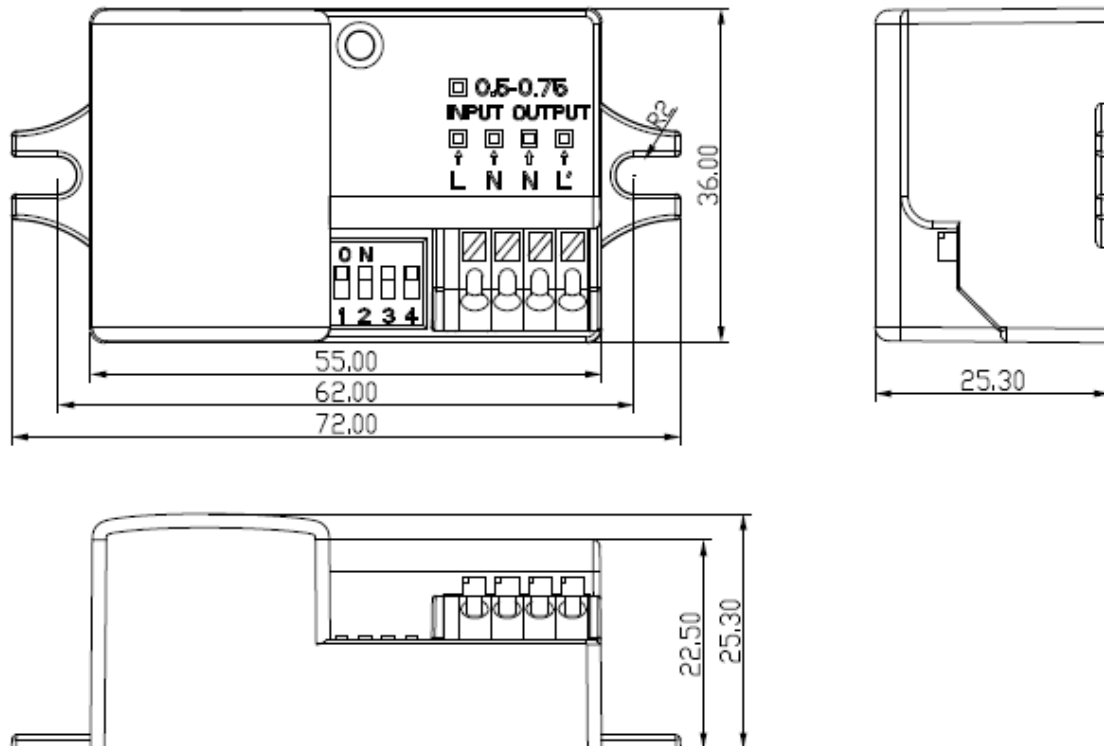


② With insufficient ambient light, the sensor switches on the light when motion is detected.



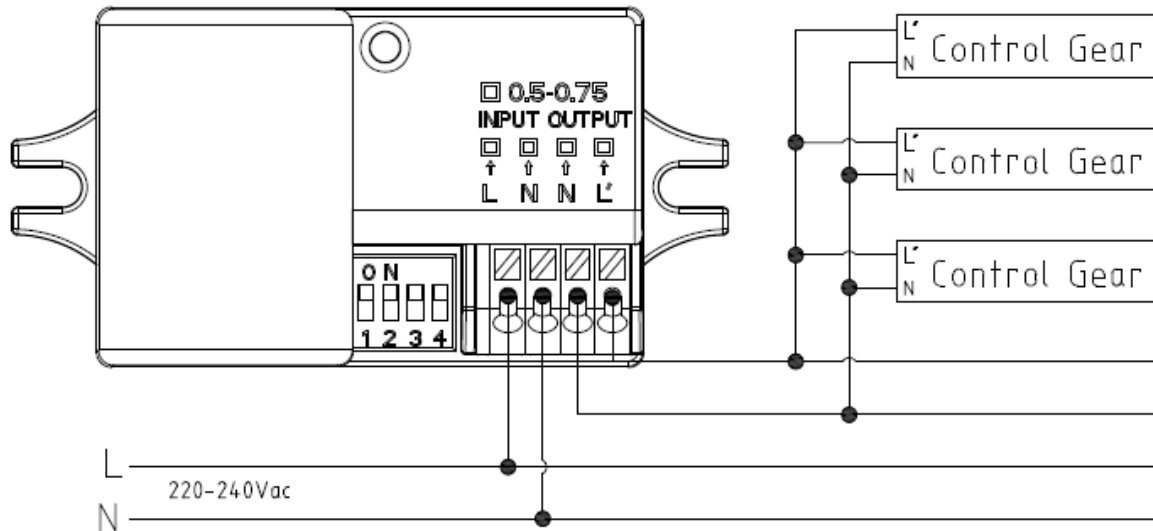
③ After elapse of hold time, the sensor switches off the light when no motion is detected.

4. Dimension (mm)



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5. Wiring

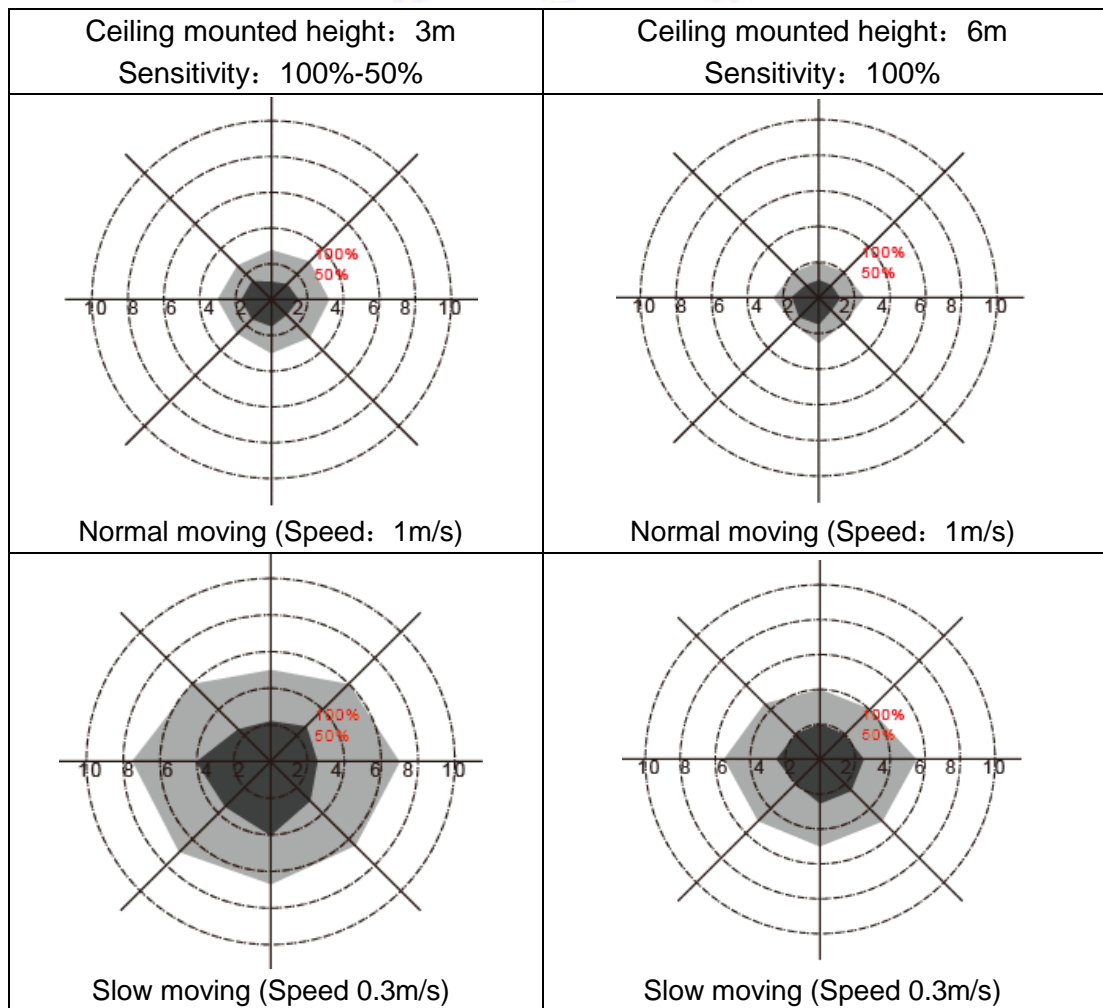
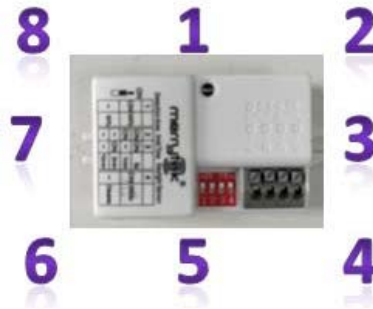


6. Structure

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7. Radiation Pattern

Vertical detecting:



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8. DIP Setting

8.1 Sensitivity

I	ON	100%
II	-	50%

8.2 Hold Time

I	ON	ON	5S
II	ON	-	1min
II	-	ON	5min
II	-	-	10min

8.3 Daylight Threshold

I	ON	25Lux
II	-	Disable

9. FAQ