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|----------------|--------------------------------|-------|--------------|----------|-----------------|----|
| 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 | 1-10Vdimmable | 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.

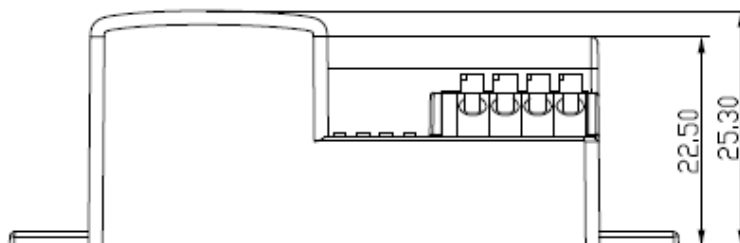
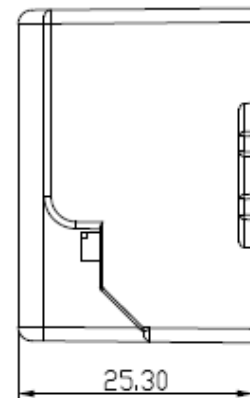
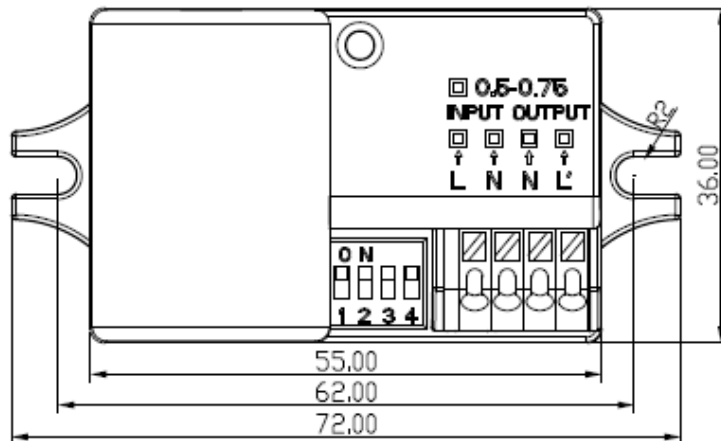


② With insufficient ambient light, the sensor switches on the light when motion is detected.



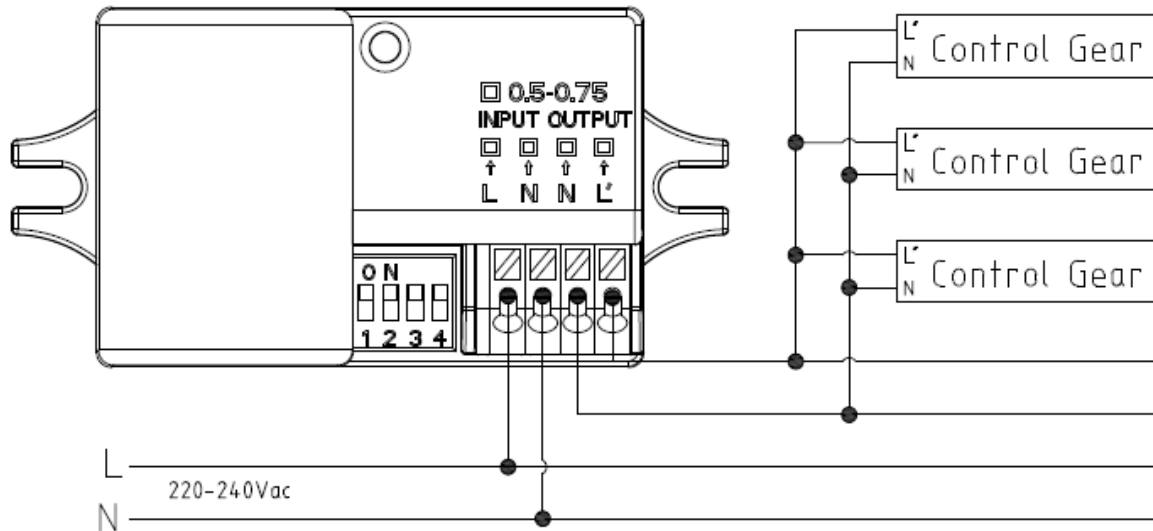
③ After elapse of hold time, the sensor switches off the light when no motion is detected.

4. Dimension (mm)



| | | | | | | |
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5. Wiring

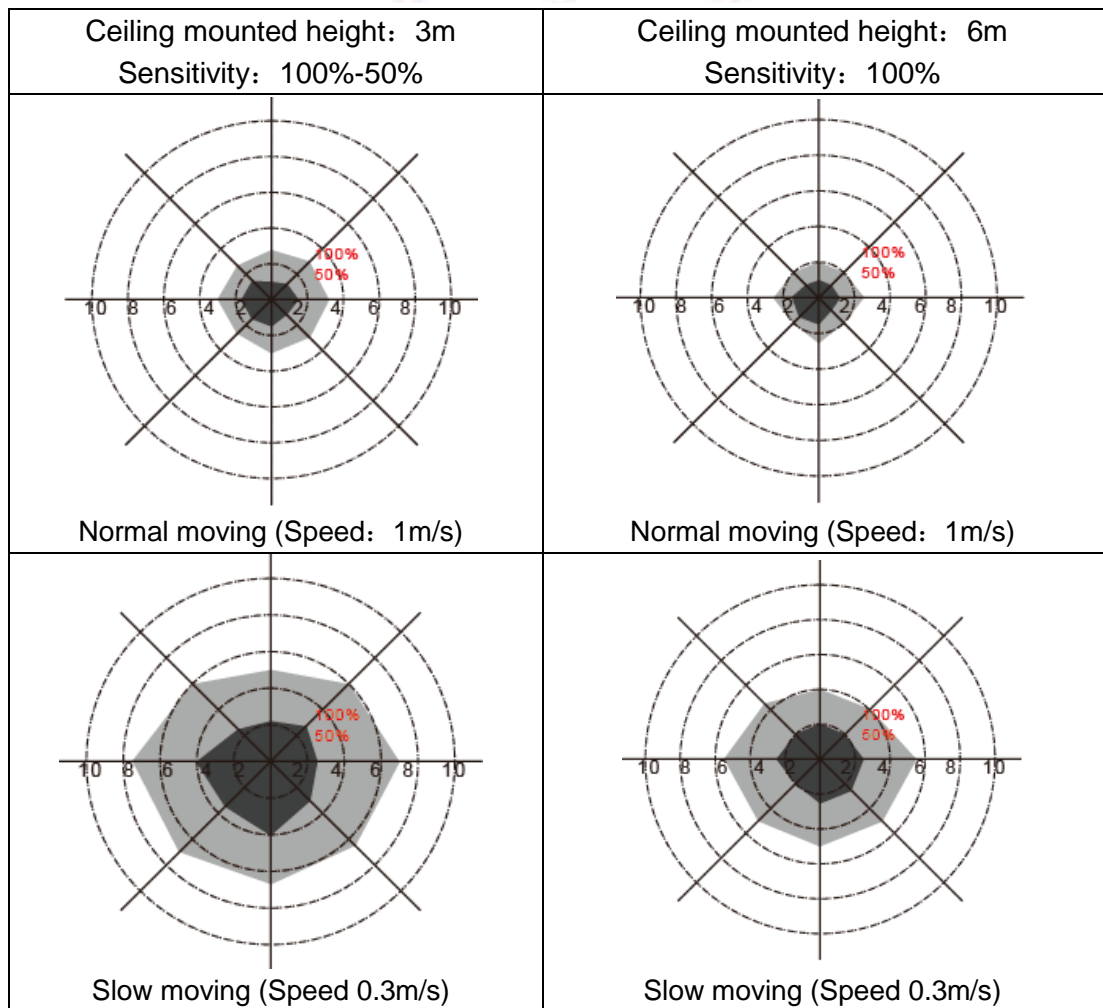
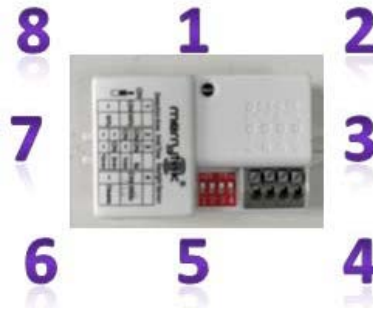


6. Structure

| | | | | | | |
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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