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MaxLiTe 0- 10V Sub-G Fixture Integrated PIR Sensor Controller

Specifications

- **Product Name:** 0- 10V Sub-G Fixture-Integrated PIR Sensor Controller
- **Communication Frequency:** Sub-G 916.5MHz
- **Control Signal:** RF (Sub-G) to 0- 10V signal
- **Features:** Luminaire level light control, supports link and repeater functions
- **Control Range:** Synchronization control of sensors in the same zone

Product Information

- The 0- 10V Sub-G Fixture-Integrated PIR Sensor Controller is a device that enables wireless control of lighting fixtures connected to a 0- 10V signal using a PIR sensor operating at 916.5MHz frequency.
- It allows for precise control of luminaire levels and can be integrated with RF wall switches for added convenience.

Installation Instructions

1. Read all instructions before installation.
2. Press the IR remote to pair the sensor with the wall switch.
3. Configure sensor parameters using the IR remote.
4. Connect 0- 10V luminaires to the controller for broadcast control by the sensor.
5. Use the wall switch to control the connected 0- 10V luminaires.

Wiring Diagram

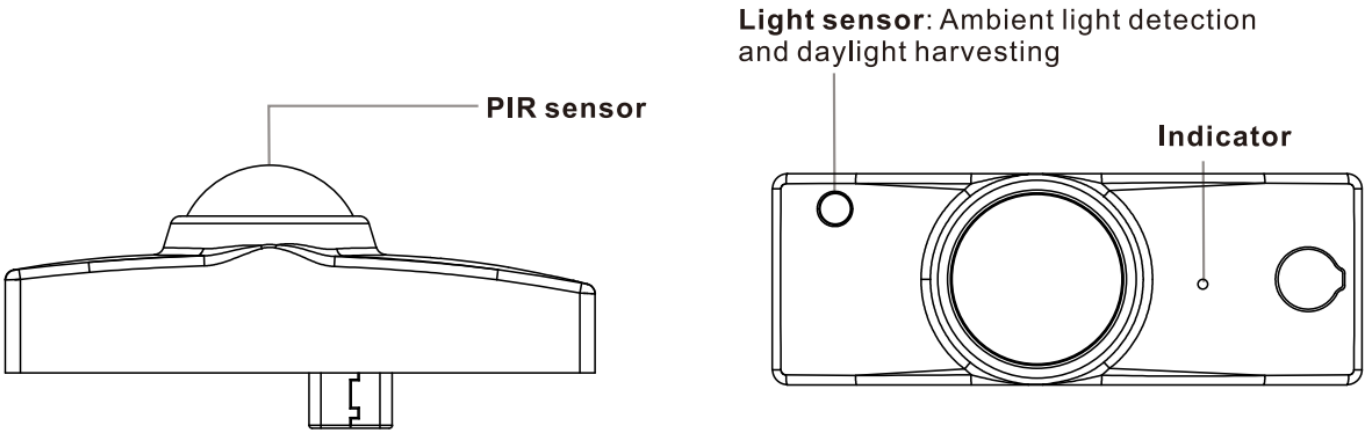
Refer to the user manual for a detailed wiring diagram to correctly connect the 0- 10V luminaires and the sensor controller.

Important Notes

- This device complies with part 15 of the FCC Rules. Please ensure that the device does not cause harmful interference and can accept any interference received.
- Any unauthorized modifications may void the user's authority to operate the equipment. Maintain a distance of at least 20cm between the user and the product during operation.

Function introduction

Important: Read All Instructions Prior to Installation



Product Data

Input		Output, 0/1-10V	Control		Environment		Others
Power	Signal	Current	Dimming Curve	Dimming Method	Operating temperature	Relative humidity	Size
12-24VDC	Sub-G 916.5MHz	Max. 25mA	Logarithmic	PWM	0°C~+45°C	8% to 80%	See dimensions

- RF (Sub-G) to 0-10V signal PIR sensor controller, 916.5MHz frequency
- Built-in 25mA 0-10V signal output
- Luminaire-level light control
- Supports link function, repeater function
- All 0- 10V luminaires connected to the 0- 10V signal are broadcast-controlled by the

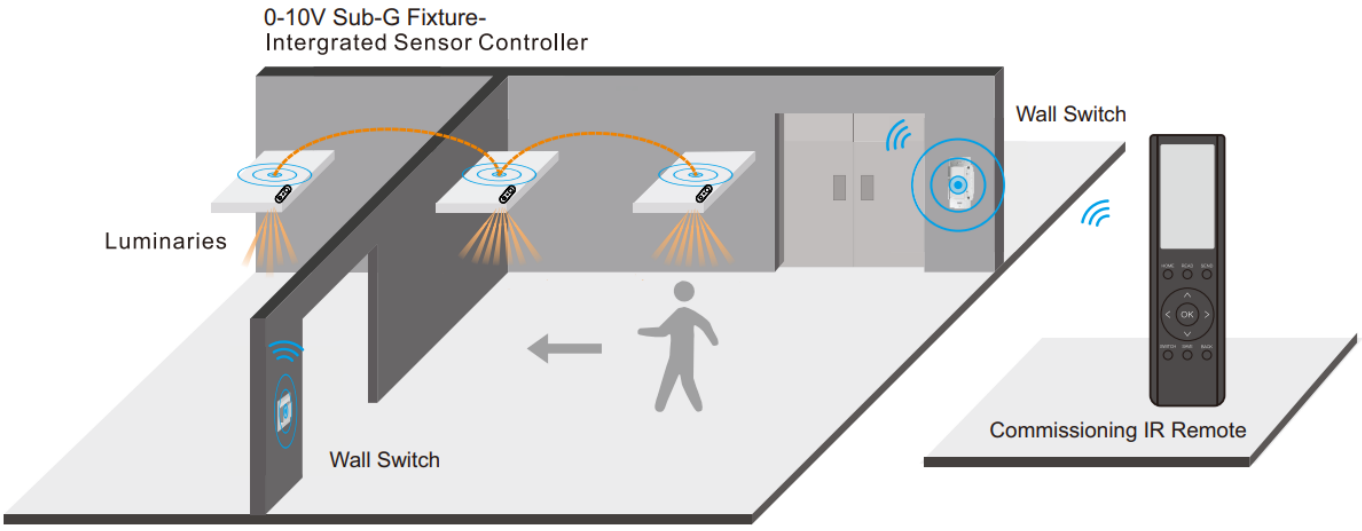
sensor

- Can be controlled by an RF wall switch
- In a typical indoor environment, the typical range for wireless communication is 20m to 25m.
- The actual range is dependent on field installation.
- Standby power consumption is less than 0.5W, meeting the latest ERP regulation
- On-board antenna
- Waterproof grade: IP20
- 5 years warranty

Operation

- Wiring according to the connection diagram
- Configure the sensor parameters and pair the sensor with the wall switch using the IR remote
- The sensor can control the connected 0- 10V luminaires
- The wall switch can control the 0- 10V luminaires connected to the controller

Application



Specifications

ENERGY SAVINGS

- Low/High-end trimming
- Daylight harvesting

- Occupancy/Vacancy detection
- Auto and advanced demand response programs
- Synchronization control of the sensors in the same zone
- Energy monitoring

COMFORT & CONVENIENCE

- Advanced occupancy detections
- Light-level stability
- Configurable dim-and-linger occupancy
- Personalized setting profile
- Can be controlled by the RF wall switch

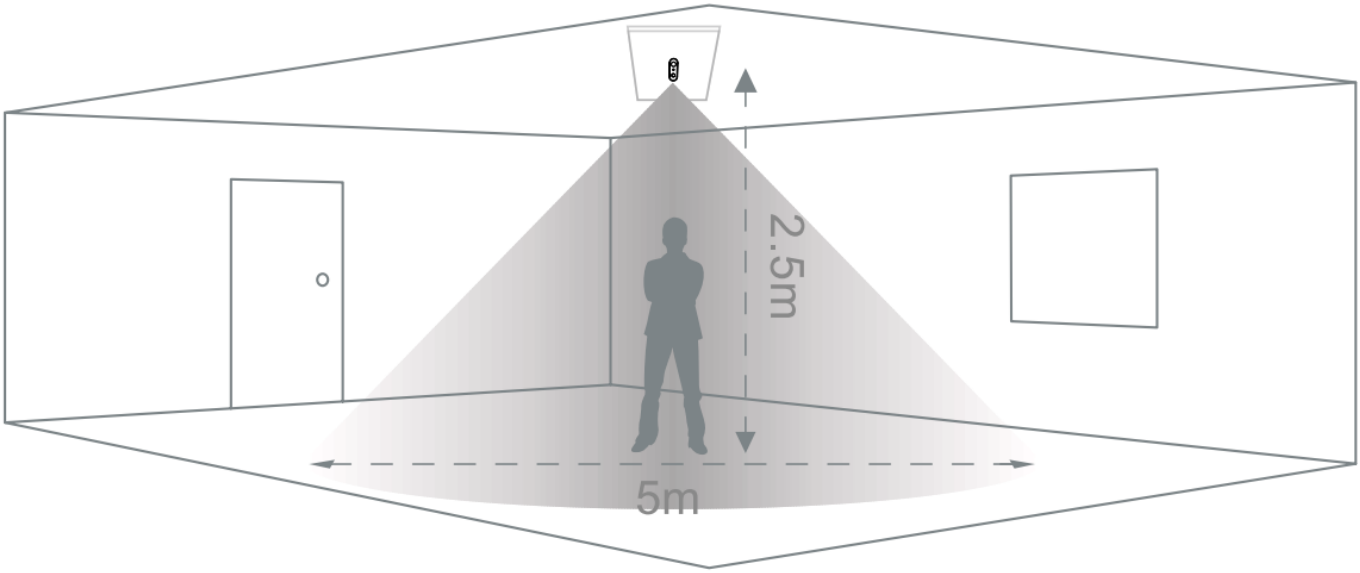
SENSING

- **Testing** Data
- **Mounting height:** 2-6m
- **Detection area diameter:** 4-5m@2.5m height

ENVIRONMENT AND APPROBATION

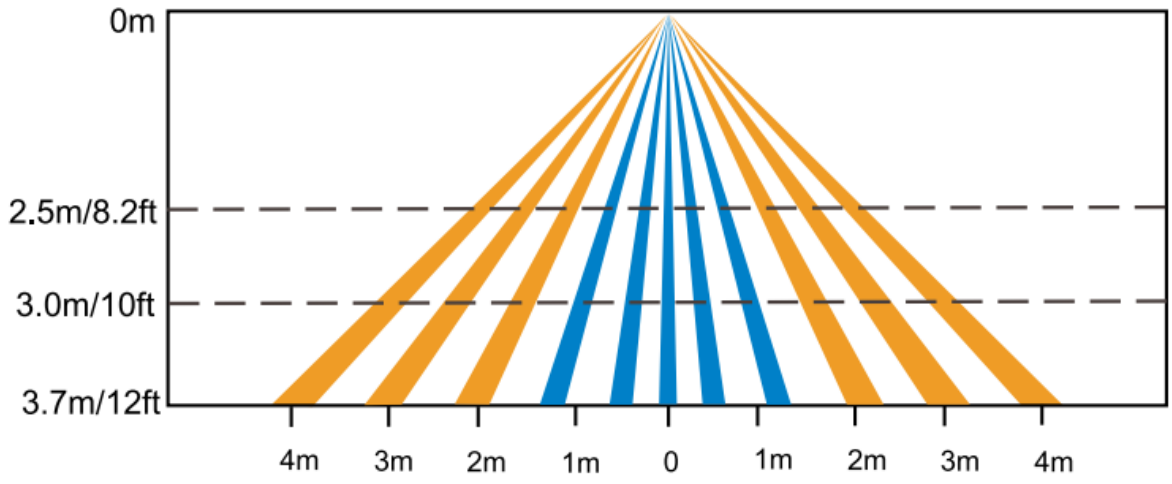
- **Operating temperature:** 0°C to 45°C
- **Agency approvals:** CE/UL listed/ FCC/ IC…
- **Warranty:** 5 years

Detection Pattern



Frequency

Coverage Side View

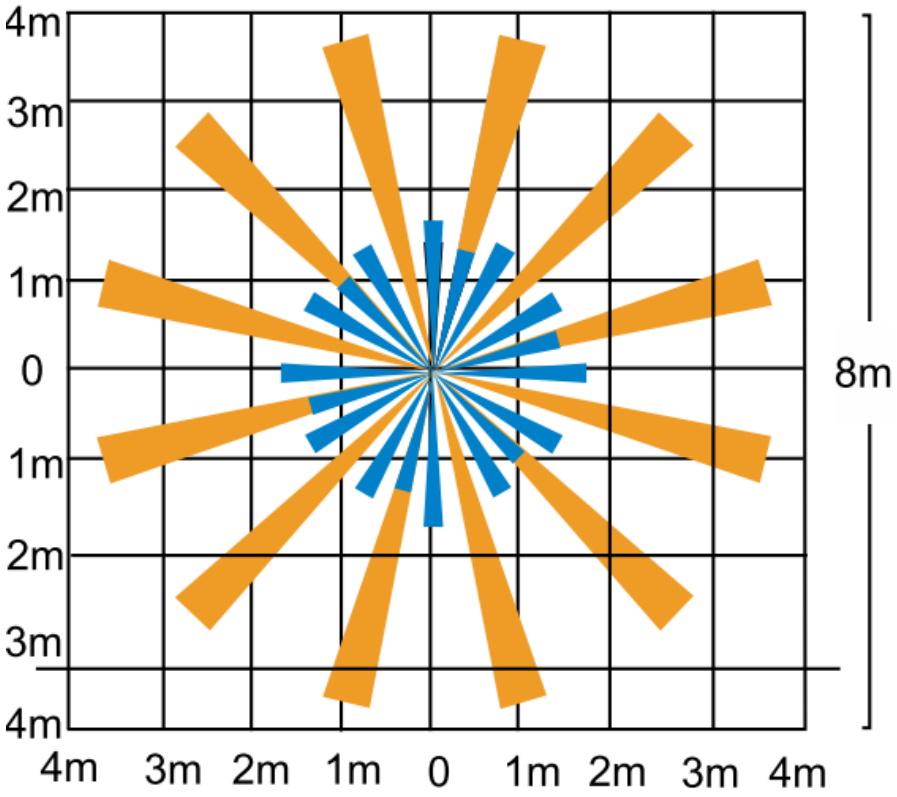


The detection area for the movement sensor can be roughly divided into two parts:

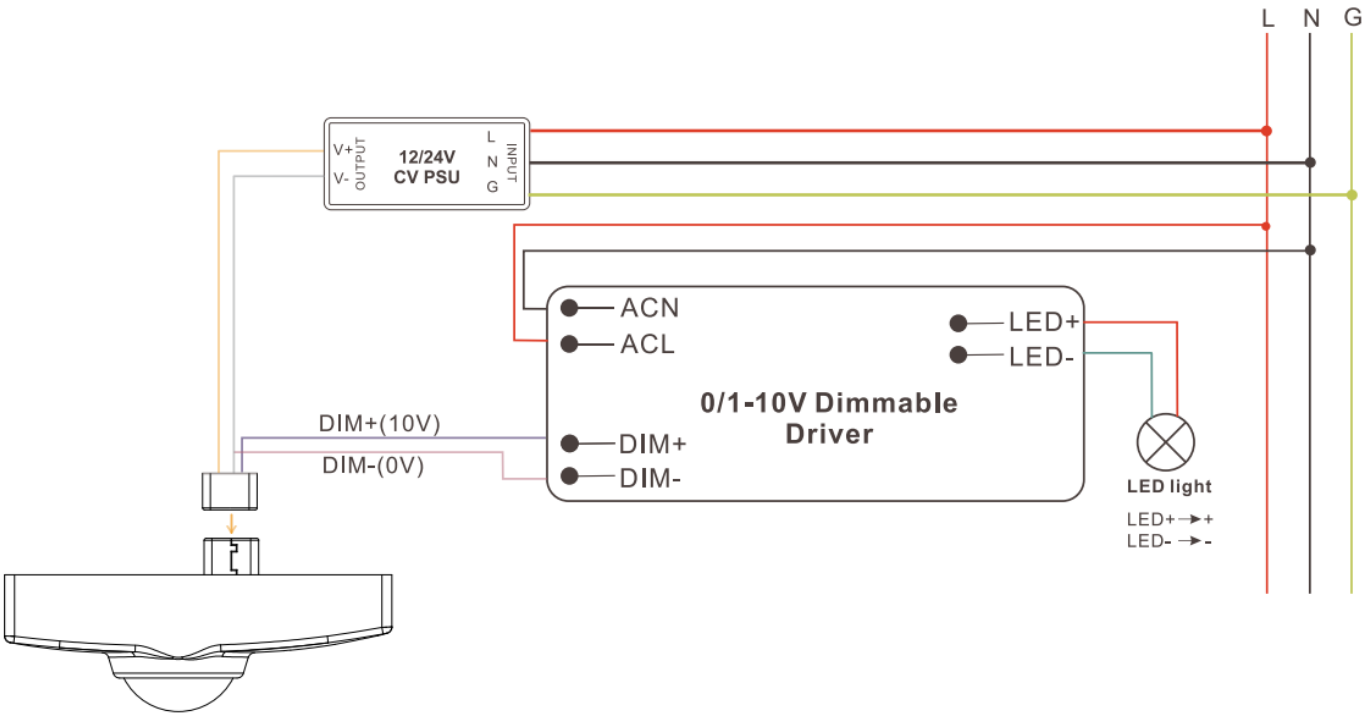
- Slow movement (person moving < 1.0’/s or 0.3m/s)

Coverage Top View

- Quick movement (person moving > 1.3’/s or 0.4m/s)



Wiring diagram



FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may

cause undesired operation.

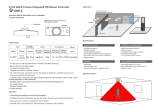
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. The distance between the user and the products should be no less than 20cm. This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FAQ

- **Q: How can I pair the sensor with the wall switch?**
  - **A:** To pair the sensor with the wall switch, use the IR remote to configure sensor parameters and establish synchronization between the devices.
- **Q: Can the wall switch control multiple 0- 10V luminaires simultaneously?**
  - **A:** Yes, the wall switch can control all 0- 10V luminaires connected to the controller, allowing for centralized operation.

Documents / Resources

	MaxLiTe 0-10V Sub-G Fixture Integrated PIR Sensor Controller [pdf] Instruction Manual 0-10V Sub-G Fixture Integrated PIR Sensor Controller, Sub-G Fixture Integrated PIR Sensor Controller, Fixture Integrated PIR Sensor Controller, Integrated PIR Sensor Controller, PIR Sensor Controller, Controller

References

- User Manual

MaxLite

0-10V Sub-G Fixture Integrated PIR Sensor Controller, controller, Fixture Integrated PIR Sensor Controller, Integrated PIR Sensor Controller, MaxLite, PIR Sensor Controller, Sub-G Fixture Integrated PIR Sensor Controller

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