

Cyrus AM

AC Powered Wireless Microwave Motion & Light Sensor



INSTALLATION AND QUICK START SHEET

WARNING AND GUIDELINES!!!

Read and follow all safety instructions!!

DO NOT INSTALL DAMAGED PRODUCT! This product has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.

WARNING: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING

WARNING: Risk of Product Damage

- Electrostatic Discharge (ESD): ESD can damage product(s). Personal grounding equipment should be worn during all installation or servicing of the unit
- Do not stretch or use cable sets that are too short or are of insufficient length
- Do not modify the product
- Do not mount near gas or electric heater
- Do not change or alter internal wiring or installation circuitry
- Do not use product for anything other than its intended use

WARNING - Risk of Electric Shock

- Verify that supply voltage is correct by comparing it with the product information
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements
- All wiring connections should be capped with UL approved recognized wire connectors
- All unused wiring must be capped

PRODUCT OVERVIEW

Cyrus AM is a BLE5.2 controllable high bay Microwave motion and daylight sensor. This sensor operates on a 90-277VAC input voltage range adopts a 5.8GHz Microwave sensing technology for accurate motion detection. It can be mounted at a maximum height of 12m(39.4ft) and provides a maximum detection range of 17m(55.8ft) diameter. The sensor can be mounted to the ceiling or at the surface using ceiling or surface mount accessories. It can be quickly commissioned, configured, and controlled from any mobile device and can be connected to Lumos Controls cloud for data analytics and configuration management.



INSTALLATION INSTRUCTIONS

Wiring the sensor

- Turn off the power before wiring and installing the device
- Power the sensor by connecting the AC Line and Neutral wires from the mains supply to the Line (Black color), and Neutral (White color) from the sensor.

CEILING MOUNT

Mounting sensor on false ceiling

Ceiling mount: Sensor can be installed in the false ceiling using the flush mounted accessory, such as the clips, as given in the steps below

- Make a hole of 78mm diameter in the false ceiling where the sensor is to be installed and take out the main supply wires

Do's	Don't's
Installation should be performed by a qualified electrician	Don't use outdoors
Installation shall be in accordance with all applicable local and NEC codes	Avoid input voltage exceeding maximum rating
Turn the power OFF at circuit breakers before wiring	Don't disassemble the products
Observe the correct polarity of output terminal	
Place devices as far away as possible from metallic materials	
Devices work best in when there is a clear LOS between them	
When placing devices inside metallic boxes, please ensure the antenna comes out of the boxes	

Specifications	Value	Remarks
Input voltage	90-277VAC	Rated input voltage
Input current	9mA@230VAC 15mA@90VAC	-
Inrush current	4A	-
Surge rating	4kV	-
Operating temperature	0-80°C (32 to 176°F)	-
Dimensions (Excludes accessories)	2.3 X 2.5in (59.8 X 63.1mm)	Diameter x Height
Net weight (Excludes accessories)	85g (3.0oz)	In grams
Case temperature	70°C (158°F)	-
Case material	ABS Plastic	White
Dimensions (Ceiling mount accessories)	3.91 x 2.62in (99.17 x 66.8mm)	Diameter x Height
WMAM-CMK		
Dimensions (Surface mount accessories)	4.32 x 2.80in (109.8 x 71.2mm)	Diameter x Height
WMAM-SMK		

REQUIRED TOOLS & SUPPLIES



Wire connector



Screwdriver



Screws



Pin



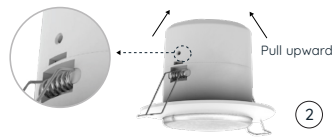
Electrical wires

78mm



1

- 2 To open the sensor case, use a pin and press inside the two small holes on both sides of the sensor case and pull upward.

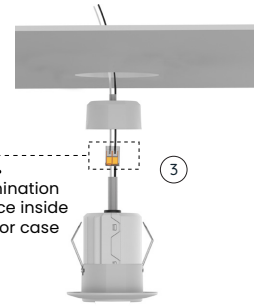


- 3 Insert the external wire through the hole above the case. Then connect the external wires with the Sensor - Line (Black) and Neutral (White).

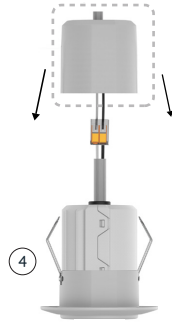
Note

Additional junction box is not required for the sensor as the termination will happen inside the sensor case.

The termination takes place inside the sensor case



- 4 Push and fix the case back.

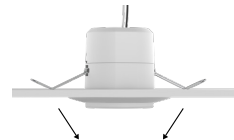


- 5 Press and hold the spring clips (on both sides of the device) and insert the sensor into the mounting hole. Release the spring clips so that the sensor will fit in and remain intact.



Note

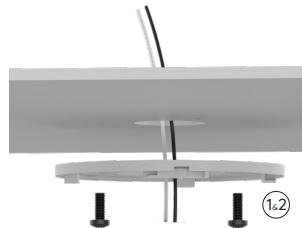
To remove the sensor from the ceiling, hold and pull the sensor down



SURFACE MOUNT

Mounting sensor on hard ceilings or on surfaces

- 1 Position the sensor mounting base to fix and take out the mains wire through the hole given at the mounting base.



- 2 Mount the base on the selected position using screws

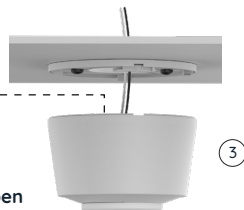
Head: CSK Slotted



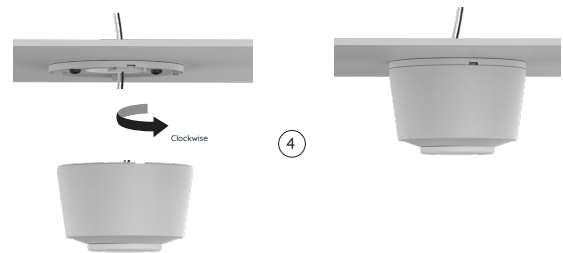
Length	Head Diameter	Screw Diameter
38mm	8.3mm	3.7mm

- 3 Insert the external wire through the hole above the case. Then connect the external wires with the Sensor - Line (Black) and Neutral (White).

Termination will happen within the sensor case



- 4 Connect the sensor unit case with the Mount base (that is already fixed in step 2) by rotating the case clockwise.

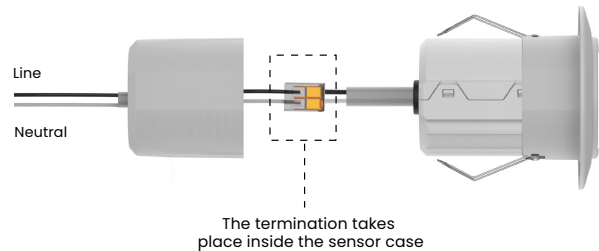


Note

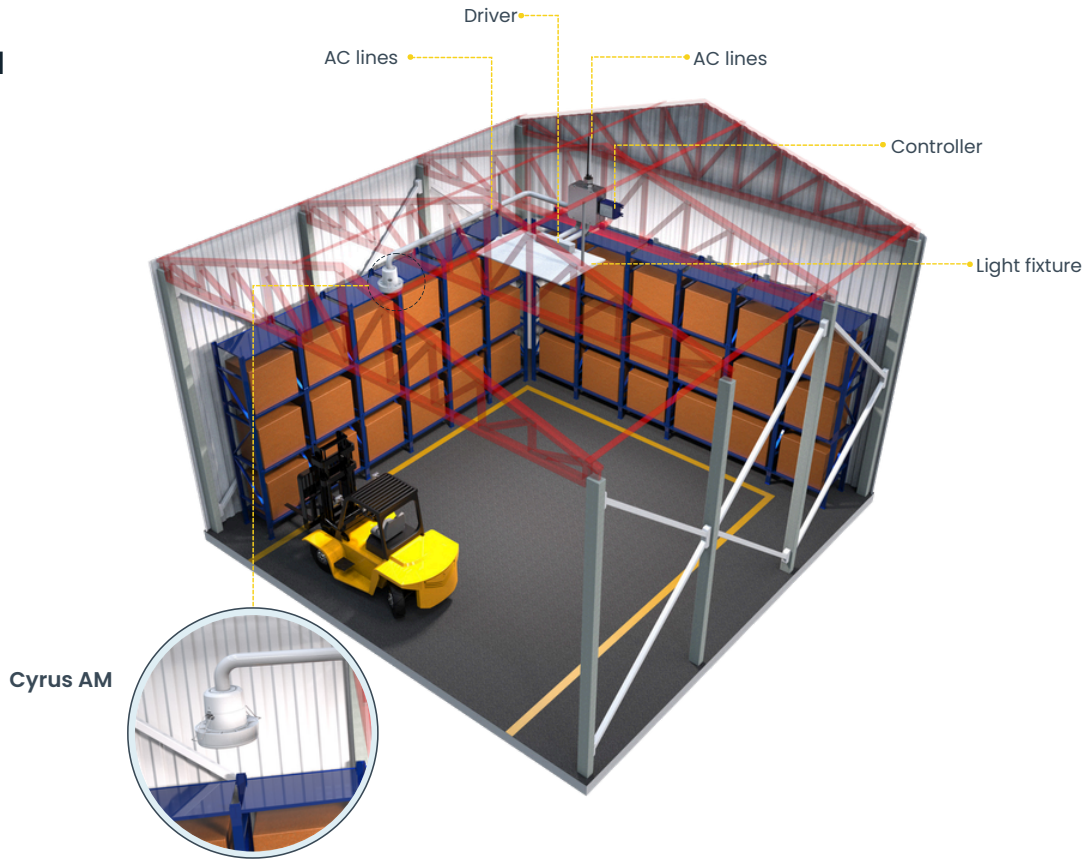
To remove the sensor unit case from the mount base, apply pressure towards ceiling and rotate the sensor case anti-clockwise.



WIRING DIAGRAM



APPLICATION



RF Guidelines

If pairing of devices are getting failed continuously then it may be due to BLE traffic. To reduce the traffic, power OFF other devices in the vicinity and pair again.

TROUBLESHOOTING

Lights are not responding to Motion	<ul style="list-style-type: none"> • Check whether the Sensor is powered ON • Check whether the Sensor association configured is correct
Lights are not responding to Daylight	<ul style="list-style-type: none"> • Check whether the Sensor is powered ON • Check whether the Sensor association configured in the Group is correct • Check whether the Daylight Sensor Settings configured for the Sensor is correct

COMMISSIONING

Once powered up, the device will be ready to be commissioned via the Lumos Controls mobile app, available for free download on [iOS](#) and [Android](#). To begin commissioning, click the '+' icon from the top of the 'Devices' tab. The app allows you to preset certain configurations which will be loaded after the device is added. The pre-configurations made using 'Commissioning Settings' will be sent to the devices being commissioned.

Once commissioned, the device will be displayed in the 'Devices' tab.



Please visit [Help center](#) for more details

WARRANTY

5-year limited warranty
 Please find warranty [terms and conditions](#)
 Note: Specifications may change without notice
 Actual performance can vary due to end-user environment and application

LUMOS CONTROLS APPLICATION

Download the 'Lumos Controls' application from Play Store or App Store

OR

Scan the QR codes to download the 'Lumos Controls' application



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