



MOUNTING INSTRUCTIONS

OS-NET sensor is available with multiple mounting options with or without a mounting bracket. These mounting options allow the sensor to be integrated with lighting fixture or mounted on the ceiling in various ways.

Ceiling Surface		S-mount with SMB-500	
<p>Front cover Mounting base</p> <p>38mm (1.5")</p> <p>Ø110mm (4.33")</p> <p>60mm (2.36")</p> <p>90mm (3.54")</p> <p>66mm (2.6")</p> <p>UL LISTED</p>	<p>Mounting base</p> <p>60mm (2.36")</p> <p>90mm (3.54")</p> <p>66mm (2.6")</p>	<p>Screw nut</p> <p>Front cover</p> <p>Sensor unit</p>	<p>1</p> <p>Assemble the sensor unit with front cover and tighten the screw nut with torque no higher than 0.3 lb-ft.</p>
<p>2</p> <p>Mount the base on the selected position, lead the wires through the center hole and connect with the sensor. Align the marks and rotate in clockwise to click.</p>			
<p>3</p> <p>To remove the sensor from base, insert a proper sized blade screwdriver into the slot and press, rotate the sensor in counterclockwise to remove.</p>			

Junction Box		C-mount with CMB-500	
<p>Ø111mm (4.37")</p> <p>UL LISTED</p>	<p>86mm (3.38")</p> <p>60mm (2.36")</p> <p>66mm (2.6")</p> <p>90mm (3.54")</p> <p>96.5mm (3.8")</p>	<p>1</p> <p>Remove the lens of PIR occupancy sensor, or the cap of daylight sensor before assembly.</p>	<p>1</p> <p>Assemble the sensor unit with the mounting base from DOWN side, and tighten the screw nut from the back with torque no higher than 0.3 lb-ft.</p>
<p>2</p> <p>min. 40mm (1.57")</p> <p>min. Ø51mm (2")</p> <p>Mount the base on the junction box with screws.</p>			
<p>3</p> <p>Place the front cover on the base, and mount the lens or sensor cap with the sensor.</p>			
<p>4</p> <p>Junction Box</p>			

Ceiling Recess		R-mount with RMB-500	
Ceiling Recess		L-mount with LMB-500	
<p>Cut a 70mm (2.8") hole on the mounting position</p> <p>Ø70mm (2.8")</p>		<p>RMB-500</p> <p>LMB-500</p> <p>LMB-500 only</p> <p>Cable Holder</p> <p>Back Cover</p> <p>Front Cover</p> <p>Sensor unit</p>	
<p>1</p> <p>Click!</p> <p>Assemble the sensor with the front cover.</p>		<p>1</p> <p>For LMB-500, direct cable through the cable holder of back cover, connect wire to sensor and secure with screw.</p> <p>NOTE: For the sensor with wires, cut and strip the wires as below;</p> <p>Wire length: 30-50mm</p> <p>Strip length: 8-11mm</p>	
<p>2</p>		<p>2</p> <p>Click!</p> <p>Press the spring clips and insert into the mounting hole.</p>	
<p>3</p>		<p>3</p> <p>To remove the sensor, hold and pull downward from the hole.</p>	

Fixture Integrated F-mount

IP-66 Fixture Integrated W-mount

Sensor assembly hole on the fixture

1

Sensor assembly

Rubber gasket (W-mount only)

40mm (1.57")

Assemble the sensor into the hole, and tighten the screw nut with torque no more than 0.3 lb-ft.

2

Note: For IP-66 fixture integration, ensure the rubber gasket is placed in between the fixture enclosure and sensor unit.

3

Light fixture

POLE MOUNT

Rubber Gasket

PMB-500

Sensor

POLE

Removable cover

Fixture External E-mount with EMB-500

IP-66 Fixture External P-mount with PMB-500

EMB-500 & PMB-500

90mm (3.54")

46mm (1.81")

Ø111mm (4.37")

1

Plug (PMB-500 only)

O-ring (PMB-500 only)

Screw

Cover

Screw nut

Nut

Rubber gasket (PMB-500 only)

Sensor base

Sensor unit

Fixture integration via 1/2" knockout

Sensor with wire leads 2

1 Assemble the sensor with fixture via the knockout hole

Light fixture

Ballast Driver

Sensor with terminal block 2

1 Remove the top cover and assemble the sensor with fixture via the knockout hole

Light fixture

2 Tighten the screw nut

Light fixture

2 Lead the wires through the hole and connect to the terminal block

Light fixture

3 Restore the top cover and tighten the screws. Seal the screw holes with rubber plugs

Light fixture

Note: For IP-66 fixture integration with PMB-500, ensure the rubber gasket is placed in between the fixture enclosure and sensor unit.

ACCESSORIES

Extension Mounting Adaptor EMA-500

38mm (1.5")

125mm (4.92")

24mm (0.94")

65mm (2.56")

The EMA-500 is an Extension Mounting Adaptor designed for the sensor with EMB-500 or PMB-500. It can be used to lower the mounting position of sensor to prevent the coverage of PIR based occupancy sensor being blocked by the fixture body or enclosure.

This is not a UL approved mounting option for line voltage sensor.

Assemble with EMB-500

1 Separate the adaptor

2

3 Click!

4

1

2

Light fixture

2

Light fixture

If the lighting fixture has a wider lower enclosure, use double screw nuts on the threaded nipple to prevent sensor being tilted.

Light fixture

Extension Joint EJ-30 / EJ-50 / EL-40

a EJ-30 30mm (1.18")

b EJ-50 50mm (1.97")

c EL-40 40mm (1.57")

With E/P - mount

The EJ-30, EJ-50 and EL-40 are extension joints that can be used to extend the E/P mount sensor position for 30, 40 and 50 mm. Combine the joints if longer extnsntion is required. For outdoor use, order EJ-30F, EJ-50F or EL-40F.