

TRANS

MOUNTING INSTRUCTIONS

TRANS sensor family offers multiple mounting options available with or without mounting bracket. These mounting options allow TRANS sensor to be integrated with lighting fixture or mounted on the ceiling in various ways.

NOTE: F/E/S/C/R/L-mount is for indoor dry location use only.

Ceiling Surface		S-mount with SMB-500
	<p>Assemble the sensor unit with front cover and tighten the screw nut with torque no higher than 0.3 lb-ft.</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>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>Remove the lens of PIR occupancy sensor, or the cap of daylight sensor before assembly.</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>anti-rotating key</p> <p>Place the front cover on the base, and mount the lens or sensor cap with the sensor.</p>
<p>min. 40mm (1.57") min. Ø51mm (2")</p> <p>Mount the base on the junction box with screws.</p>	<p>Click!</p>
<p>Junction Box</p>	<p>Press the spring clips and insert into the mounting hole.</p>

Ceiling Recess	R-mount with RMB-500	L-mount with LMB-500
<p>Ceiling Recess</p> <p>Cut a 70mm (2.8") hole on the mounting position</p>	<p>RMB-500</p>	<p>LMB-500 only</p>
<p>Assemble the sensor with the front cover.</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 Strip length: 8-11mm</p>
		<p>Click!</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)

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

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

2

Light fixture

Fixture Internal I-mount with **IMB-500**
 (For HFD sensor only)

1

2

Light fixture

Click!

3

Fixture External E-mount with **EMB-500**
IP-66 Fixture External P-mount with **PMB-500**

EMB-500 & PMB-500

1

Plug (PMB-500 only)

O-ring (PMB-500 only)

Nut

Rubber gasket (PMB-500 only)

Screw

Cover

Screw nut

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

2 Tighten the screw nut

Light fixture

Ballast Driver

Sensor with terminal block

2

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

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

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

Light fixture

Light fixture

2

Light fixture

Light fixture

2

Light fixture

Light fixture

2

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.

POLE MOUNT

Rubber Gasket

PMB-500

Sensor

POLE

Removable cover

ACCESSORIES

Extension Mounting Adaptor **EMA-500**

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

1 Separate the adaptor

2

3 Click!

4

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**

1

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 extension is required. For outdoor use, order EJ-30F, EJ-50F or EL-40F.