

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>	

Junction Box	C-mount with CMB-500

Ceiling Recess	R-mount with RMB-500	L-mount with LMB-500

For LMB-500, direct cable through the cable holder of back cover, connect wire to sensor and secure with screw.

NOTE: For the sensor with wires, cut and strip the wires as below;

Wire length: 30-50mm
Strip length: 8-11mm

Fixture Integrated F-mount
IP-66 Fixture Integrated W-mount

Sensor assembly hole on the fixture

37mm (1.45")

Ø60mm (2.36")

Ø51mm (2")

0.7mm (0.027")

8.5mm (0.334")

anti-rotating key

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.

Light fixture

3

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

67mm (2.64")

2.3mm (0.91")

4.5mm (0.18")

81.5mm (3.21")

50mm (1.97")

96mm (3.78")

1

Light fixture

Click!

2

3

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

EMB-500 & PMB-500

90mm (3.54")

46mm (1.8")

Ø111mm (4.37")

1

Plug (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

2 Tighten the screw nut

Sensor with terminal block 2

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

Light fixture

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

2

Light fixture

2

Light fixture

2

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

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 Click!

3

4

1

Light fixture

2

Light fixture

2

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

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

UL LISTED

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.