

TRANS OS^{NET} MOUNTING INSTRUCTIONS

IR-TEC's TRANS and OS-NET sensor family 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

1 Assemble sensor unit with front cover, and tighten the screw nut with torque no higher than 0.3 lb-ft.

2 Mount the base on the selection position and lead the wires through center hole for connection. Aim the marks and rotate the sensor in clockwise to click.

3 To remove the sensor from base, insert a proper sized blade screwdriver into the slot, and rotate the sensor in counterclockwise to remove.

Junction Box C-mount with CMB-500

1 Remove the lens of PIR occupancy sensor, or the sensor cap of daylight sensor before assembly.

2 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.

3 Place the front cover on the base, and mount the lens or sensor cap with the sensor.

4 Mount the base on the junction box with screws.

Ceiling Recess R-mount with RMB-500

1 Assemble the sensor unit with the RMB-500.

2 Press the spring clips and insert into the hole.

3 To remove the sensor, hold and pull downward from the hole.

RMB-500 Back Cover BC-500

The BC-500 is an optional back cover for RMB-500 with cable strain relief.

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.

Light fixture

3

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

1

Light fixture

2 Click!

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

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

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

3 Click!

4

2

2

Light fixture

Light fixture

Light fixture

Light fixture

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

30mm (1.18")

50mm (1.97")

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.