INSTALLATION INSTRUCTIONS
E-MS Series

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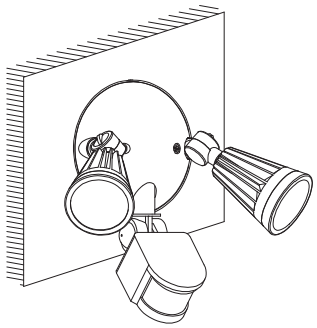
Created By:	TMT	ECO#	006368



CAUTIONS

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. **DANGER**- Risk of shock- Disconnect power before installation.
   DANGER *– Risque de choc – Couper l'alimentation avant l'installation.*
2. This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.
   Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.
3. Suitable for Wet Locations.
   Adspte pour les Endroits Mouiles.
4. Wall mount and covered ceiling mount only.
   Installation murale et sur plafond couvert seulement.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

Notes:

1. Fixture is intended to operate at 120 VAC only.
2. Fixture is intended to be mounted over 3" or 4" octagon recessed junction box, supplied by customer.
3. There should be no items shielding the detection window which could result in an inability of the sensor to detect motion.
4. There should be no continuously moving objects in front of the detection window which could result in false triggering.
5. Avoid installing fixture near air conditioning or heating equipment to prevent frequent unintended cycling.

FIXTURE INSTALLATION

1. Loosen and remove (2) screw nuts from fixture canopy. Remove the mounting plate from the fixture. See **Figure 1.**
2. Route supply leads through the center of the mounting plate. Attach mounting plate to the junction box using supplied screws. See **Figure 2:**
3. Make the following wire connections using supplied wire nuts:
   a. Connect supply ground to fixture ground (green).
   b. Connect supply common to fixture neutral (white) lead.
   c. Connect supply 120VAC black to fixture black (line) lead.
   d. Push all leads into the junction box.
4. Position the fixture and mounting canopy with silicon pad over the studs on the mounting plate. See **Figure 3.**
   NOTE: For wet locations, caulk between rear mounting gasket and mounting surface to prevent water from entering fixture from behind. A high grade caulking material such as silicone rubber should be used.
5. Reattach screw nuts that were removed in Step 1. See **Figure 3:**

FIGURE 1

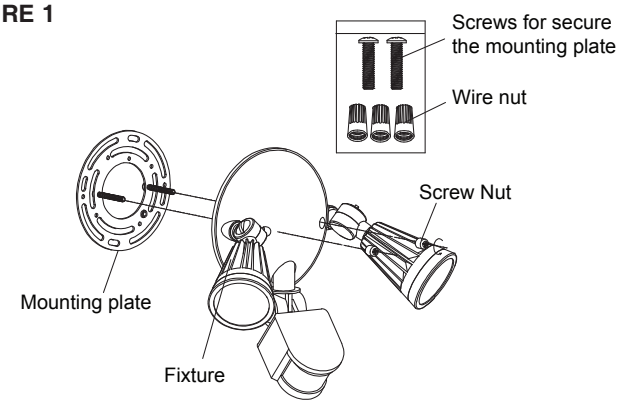


FIGURE 2

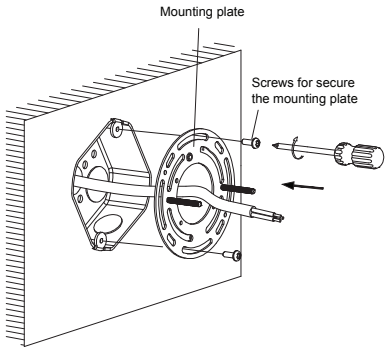
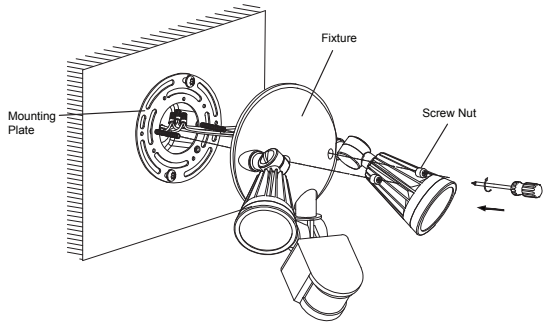


FIGURE 3



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FIXTURE ADJUSTMENTS

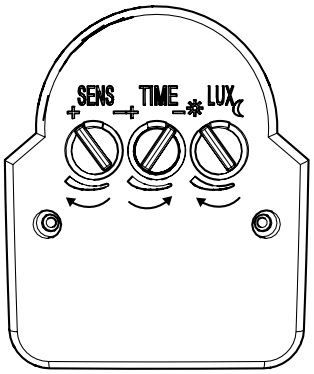
1. Loosen adjustment knobs on fixture heads and sensor knuckles. Aim fixture heads and sensor. Retighten adjustment knobs to maintain desired aiming angle.

SENSOR INITIALIZATION PROCEDURE- SEE FIGURE 4

NOTE: Ensure power is off before proceeding.

1. Turn the sensitivity setting knob (SENS) fully clockwise to the maximum setting.
2. Turn the time setting knob (TIME) fully counter clockwise to the minimum setting.
3. Turn the ambient light setting knob (LUX) fully clockwise to the maximum or daylight position.
4. Supply power to the fixture. Fixture will take approximately 30 seconds to turn on.
5. Proceed to Setting of Occupancy Sensor

FIGURE 4



SETTINGS OF OCCUPANCY SENSOR

NOTE: Complete Sensor Initialization Procedure before setting up the sensor.

1. The **sensitivity setting (SENS)** knob can be adjusted to control the motion detection distance. The minimum setting is approximately 15 feet from the sensor and the maximum setting is approximately 40 feet.
2. The **time setting (TIME)** is used to set the delay time that the light will stay on for after motion is no longer detected. The minimum setting is approximately 10 seconds and the maximum setting is approximately 10 minutes.
3. The **ambient light setting (LUX)** is used to control the ambient light level at which the sensor becomes active. If set in the “sun” position (max.) the motion sensor will allow the fixture to operate at all times (day and night). The “sun” position is usually appropriate when setting the sensitivity, since sensitivity adjustments are usually made during the day.
   - If in the “moon” position (min), the sensor will only allow the fixture to turn on at night when totally dark (no stray light from other sources present).
   - A setting approximately midway between the “sun” and “moon” positions should be used to allow the fixture to come on at night in the presence of some background light (other security lights, streetlights, etc.) while still, remaining off during the day. If fixture turns on when there is too much day light still present, rotate ambient light setting slightly towards the “moon” position. If fixture does not operate or operates inconsistently, rotate ambient light setting slightly towards “sun” position.

TROUBLESHOOTING PERFORMANCE ISSUES

1. The light does not turn on.
   - Check to ensure that wiring connections are correct
   - Make sure power is turned on.
2. The sensitivity is not functioning as expected.
   - Make sure nothing is shielding the detection window of the sensor
   - Make sure there are not continuously moving objects in the field of view of the sensor which are resulting in false triggering.
3. The fixture remains on continuously.
   - Check to make sure there are no continuously moving objects in the sensor’s field.
   - Shorten time setting. Verify that time delay is not set to maximum.
   - Verify that input is 120VAC
   - Verify that fixture is not installed near air conditioning or heating equipment.

FCC NOTICE

CAUTION: Changes or modifications not expressly approved could void your authority to use this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved could void your authority to use this equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-003 (B)/NMB-003 (B)