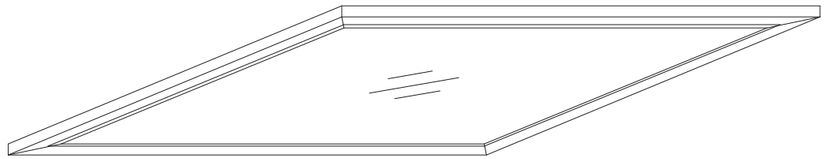
Model # E1BPL CCT&W Selectable series
Occupancy sensor and emergency battery backup system
refer to page 5.

ENERGETIC®
LIGHTING

CCT & Wattage Selectable LED Flat Panel Fixture

Installation Instructions



LED Technology

UL LISTED

ATTACH YOUR RECEIPT HERE

Item Number _____ Purchase Date _____

Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-866-492-6566.

SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product. Failure to do so could lead to electric shock, fire or other injuries that could be hazardous or even fatal.

- Be sure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

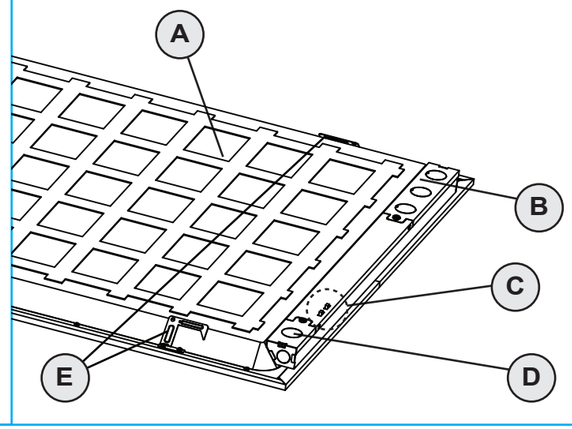
CAUTION:

- The fixture body is one piece. Do not disassemble it.
- This panel fixture can be used with most dimmers that operate on a 0-10v system.
- Do not apply pressure on the panel face, please handle the fixture around the outer frame (metal trim housing). Damage to LEDs may occur if excessive force is applied to central panel face.

NOTICE

- 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.
- 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 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 the 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.

PACKAGE CONTENTS

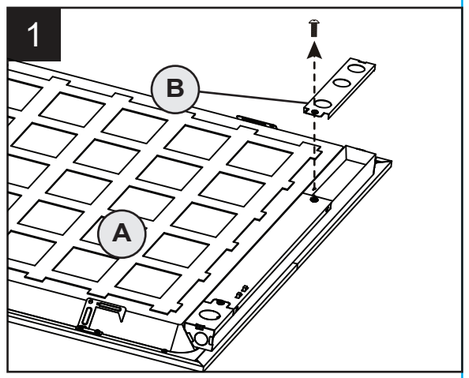


Part	Item Name	Qty.
A	Fixture body	1
B	Input wiring compartment	1
C	CCT and wattage selection switches	1
D	Secondary (driver output) wiring compartment	1
E	Safety hooks	4 or 6
AA	Wire nuts	5


x 5 AA

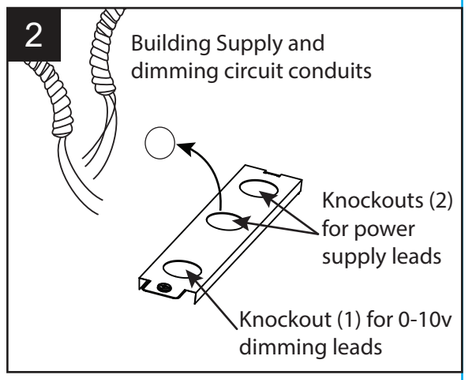
1. Locate the Driver Compartment access panel (B) and remove the screw to open the access panel, set screw aside.

   Note: Models configured with occupancy sensor or emergency battery backup system, please refer to instructions starting on page 5.



2. Route building supply wires through one of the conduit knock out and secure conduit to access panel with adapter (not supplied). Note that 2 knockouts are available for routing building power supply leads, and one (1) knockout is available for connection of optional low voltage 0-10v dimming leads.

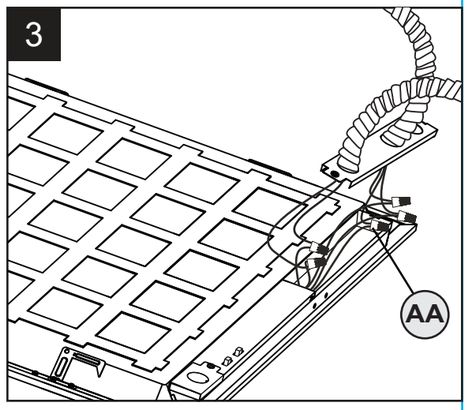
   NOTE: When handling the fixture, do not apply pressure to the panel face, please position the fixture using only the outer edge of the metal frame.



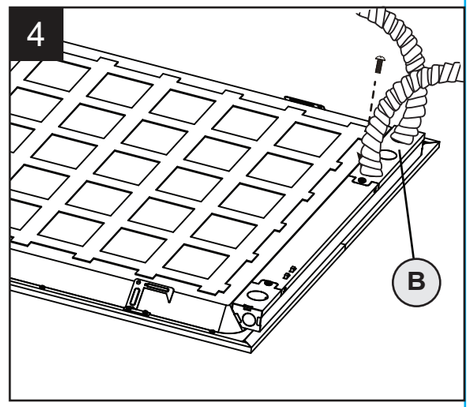
3. Connect the fixture wires to the supply wires - black to black (Line), white to white (Neutral), and green to green (Ground).

   If dimming will be enabled, connect the gray and purple wires to the supply dimming leads as well.

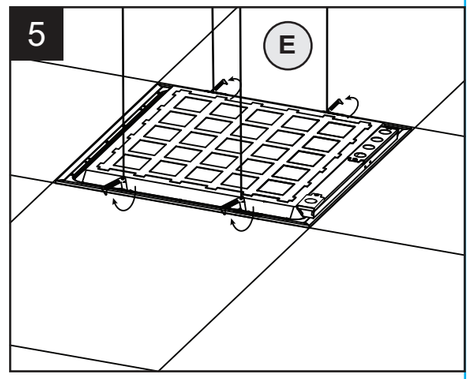
   Once wire connections are made, secure each with a wire nut (AA).



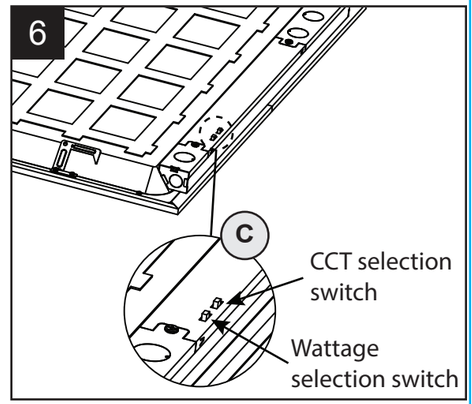
4. Tuck the wires and wire nuts (AA) into each respective compartment. Replace the Driver Compartment access panel (B), avoiding any pinched wires, and secure the panel with screw.



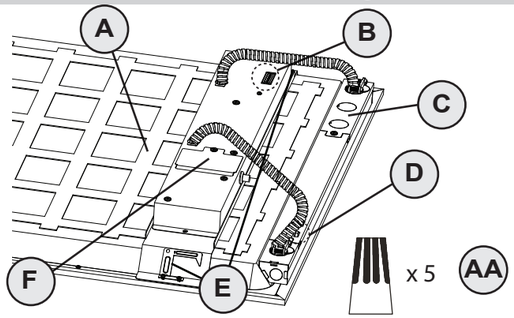
5. Pass the entire fixture above the suspended ceiling grid and align the fixture so that the perimeter of the front lens sits flush and secure on the T-grid lip. Fold out each of the 4 safety anchor points (E) and loop safety wires through each anchor and secure to building structure.



6. **Optional:** Select the desired color temperature (CCT) by using the CCT selection switch on the wiring compartment enclosure by setting the switch position to the desired CCT value as marked. The overall fixture wattage may also be set by using the wattage selection switch by setting the switch position to the desired wattage value as marked.



PACKAGE CONTENTS - Models configured with occupancy sensor & emergency battery backup system



Part	Item Name	Qty.
A	Fixture body	1
B	Occupancy sensor dip switches	1
C	Input wiring compartment	1
D	CCT and wattage selection switches	1
E	Safety hooks	4 or 6
F	Emergency battery backup system compartment (if equipped)	1
AA	Wire nuts	5

SAFETY INFORMATION (with occupancy sensor & EM system)

Please read and understand this entire manual before attempting to assemble, operate or install the product. Failure to do so could lead to electric shock, fire or other injuries that could be hazardous or even fatal.

- Be sure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This product must be installed in accordance with local, state and national electrical codes.
- Installation work shall be completed by a licensed installer that is familiar with the construction and operations of the product.

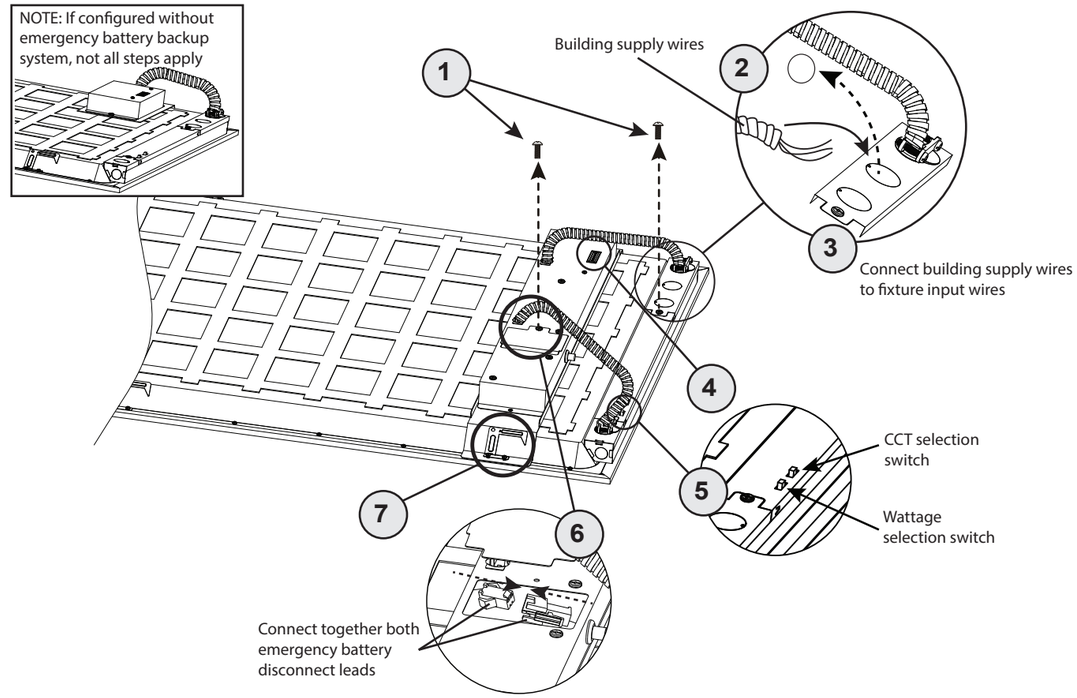
CAUTION:

- This product contains 0-10v dimming lines however the occupancy sensor uses the dimming leads to control the dim states, connecting the 0-10v dimming leads may cause interference with the occupancy sensor configuration.
- Do not apply pressure on the panel face, please handle the fixture around the outer frame (metal trim housing). Damage to LEDs may occur if excessive force is applied to central panel face.

NOTICE

- 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.
- 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 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 the 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.
- This Class B digital apparatus complies with Canadian ICES-003.

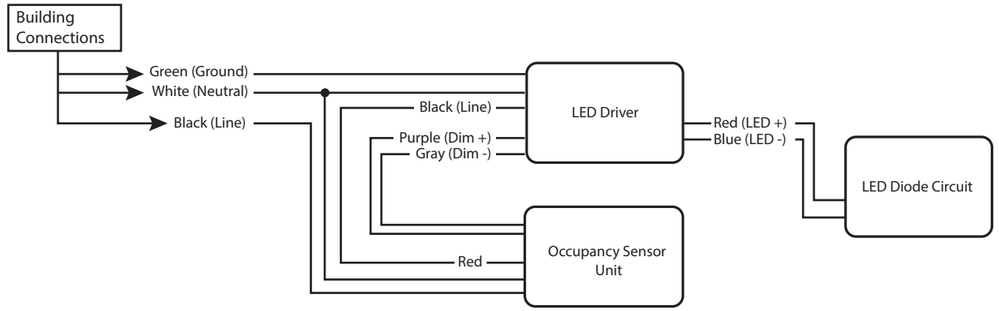
INSTALLATION INSTRUCTIONS (with occupancy sensor & EM system)



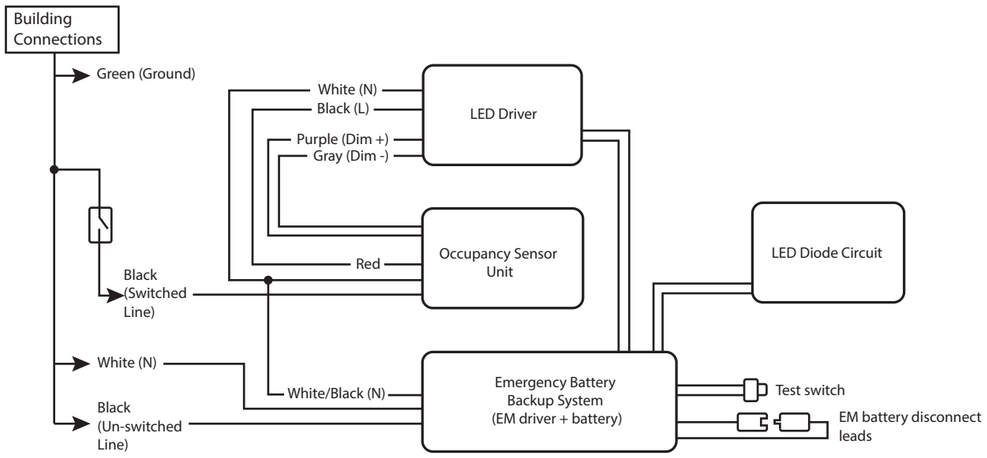
1. Remove input wiring compartment cover (C)screw and if equipped with emergency battery backup system, remove respective compartment (F) cover screw, set aside screw(s) and cover plate(s).
2. Punch out the necessary knockouts required and use appropriate adapters to connect building supply wires into the wiring compartment.
3. Connect the fixture wires to the supply wires as indicated in the wiring diagram on the following page. Tuck the wires and wire nuts (AA) into each respective compartment. Replace the input wiring compartment access panel (C), avoiding any pinched wires, and secure the panel with screw.
4. **OPTIONAL:** The occupancy sensor default settings may be re-configured from the factory settings, if desired, proceed to the following page for available settings.
5. Set the desired light output for correlated color temperature (CCT) and overall wattage output as marked on label adjacent to each individual switch.
6. **(If configured with emergency battery backup system)** Locate the two connector leads within the emergency battery backup compartment (F) and connect leads together to enable the battery system. Replace the access panel with the previously removed screw.
7. Pass the entire fixture above the suspended ceiling grid and align the fixture so that the perimeter of the front lens sits flush and secure on the T-grid lip. Fold out each of the 4 safety anchor points (E) and loop safety wires through each anchor and secure to building structure.

WIRING DIAGRAM (with occupancy sensor & EM system)

Configured with occupancy sensor (without emergency battery backup)



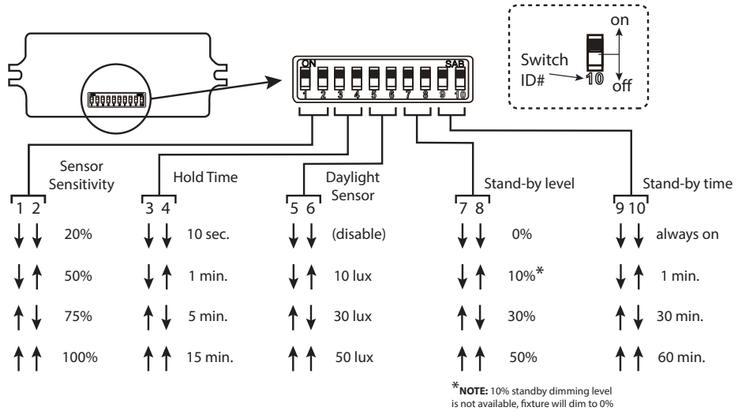
Configured with occupancy sensor and emergency battery backup



OCCUPANCY SENSOR CONFIGURATION

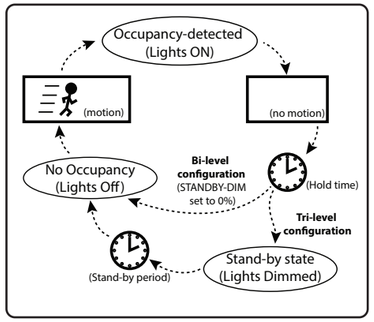
The occupancy sensor factory default settings can be reconfigured by setting the dip switches located on the sensor body using the following guide.

Default dip switch settings



*__NOTE:__ 10% standby dimming level is not available, fixture will dim to 0%

Operation mode states



Optional wireless remote controller settings

Brightness: Sets the upper light light level % during normal operation (occupancy), this is only set lower if lights are too bright, or to save even more power during normal operation.

Sensitivity: Sets the sensitivity of the motion sensor to vary the detection trigger. Reduce sensitivity value to reduce false triggers and filter out negligible motion.

Hold-time: Sets the time fixture is to remain in Occupancy-detected state (Lights on) after no motion has been detected.

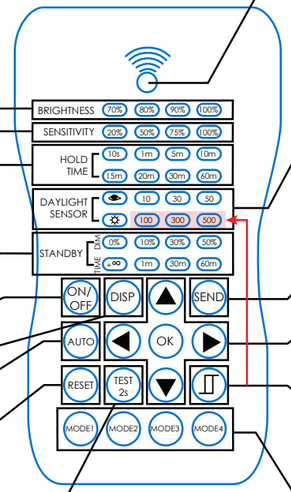
Stand-by period: (Tri-level configuration)
DIM: Sets the dimmed light % when no motion is detected, Select 0% for Bi-level configuration
TIME: Sets the time duration to keep fixture in a dimmed Stand-by state after the no-motion hold time has expired. **NOTE:** 10% standby dimming level is not available, fixture will instead dim to 0%

ON/OFF: Manual override fixture to either full on, or full off without sensor.

Display: Displays setting indicator lights and ready to configure using direction arrow keys.

Auto Mode: Enables sensor control of fixture.

Reset: Restores factory default settings where motion sensor and daylight sensors are disabled.



Transmission indicator LED: Indicator LED will light up during data transmission to sensor module.

Daylight Sensor: Sets the minimum lux threshold needed to disable light activation. Ambient light above this threashold value will keep fixture in no-occupancy state (lowest level) regardless of motion detected by sensor. Pressing the button will sample the current lux level and set the minimum lux threashold to this level, or set to 10, 30, or 50 lux.
Select the button to disable daylight sensor (default). Daylight sensor upper threashold is enabled after pressing the key and choosing between 100, 300, or 500 lux.

Send: Uploads the current settings displayed on upper indicator lights, after desired configuration is completed.

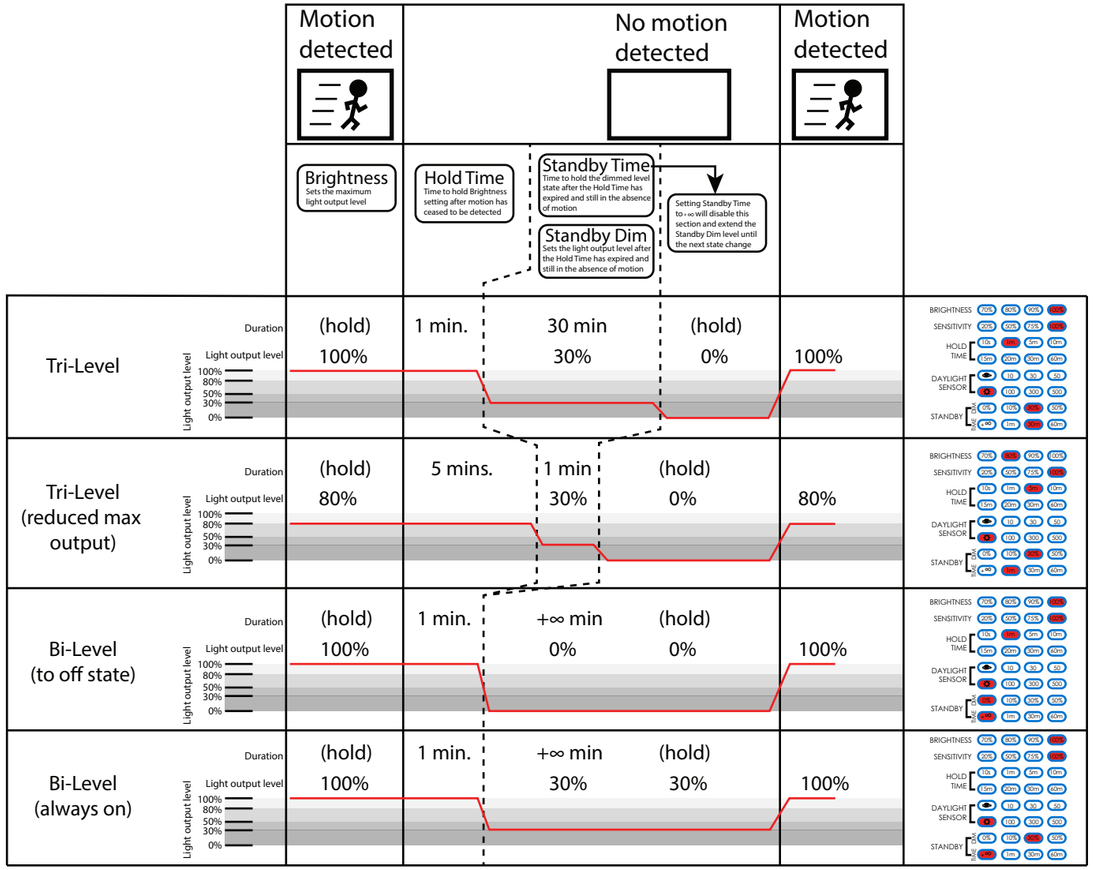
Arrow Keys: Navigate and configure desired settings displayed on upper indicator lights.
Press ▼ key to start with Brightness setting, current setting will be flashing.
Use ▲ and ▼ to move up and down each setting row bank.
Use ◀ and ▶ to toggle left and right through each setting within each row bank.

Enable Daylight Sensor: This key is used in conjunction with the Daylight Sensor settings bank shown above. Press this key after selecting the minimum threashold settings first to move the flashing cursor into the 100, 300, or 500 lux upper threashold bank.

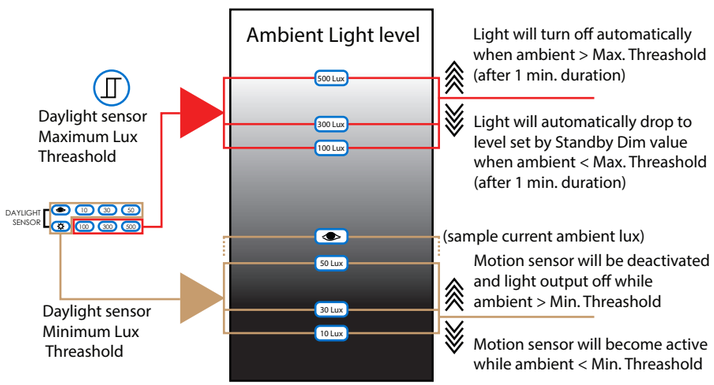
Test 2s: This key is pressed to test the sensitivity of the motion detection setting, and will disable the stand-by settings and daylight sensor. After confirming motion sensor suitability, resume normal operation by pressing the AUTO key and exit the test mode.

Preset modes: These keys allow memory storage of up to 4 separate configurations. With all indicator lights off, press one of the Mode keys to display the current stored configuration. Use the arrow keys to make the desired settings through each category. Press center OK key to save configuration. To upload mode to sensor, press the mode key and then press the Send key to upload to settings.

SAMPLE REMOTE CONFIGURATIONS



Daylight sensor / Ambient light configuration



CARE AND MAINTENANCE

Clean with a mild, non-abrasive glass cleaner and soft cloth. Do NOT use solvents or cleaners containing abrasive agents. When cleaning the fixture, make sure the power is turned off, and any liquid spray should be applied to the cleaning cloth and not sprayed directly onto the fixture itself.

TROUBLESHOOTING

Problem	Possible Solution	Corrective Action
Fixture does not light.	1. Power is off. 2. Incorrect wire connection. 3. Defective wall switch.	1. Check circuit breaker or wall switch. 2. Check wire splices. 3. Replace switch.
Circuit breaker trips when light is turned on.	Crossed wires or power wire is grounded out.	Verify wires are correctly connected.

WARRANTY

This fixture is warranted to perform free from defects for five (5) years. If it fails to do so, you may return it with proof of purchase to 13445 12th St., Chino, CA 91710 for replacement.

Printed in China