



## IMPORTANT SAFETY PRECAUTIONS

**Before you begin, read these instructions completely and carefully.**

- Be certain electrical power is OFF before and during installation, maintenance and removal.
- Luminaire wiring must be properly grounded in accordance with the NEC and any applicable local code requirements.
- Use only UL or IEC approved wire for input/output connections.
- Verify that supply voltage matches voltage on luminaire label. Installation to any other connection may void the warranty.
- Wear gloves during installation to prevent injury and do not expose wiring to metal or sharp edges.
- Do not install in areas subject to combustible vapors or gases. Verify luminaire location ratings are suitable for installation environment (refer to specification sheet as needed).
- Do not restrict luminaire's ventilation by covering with material that will cause luminaire to overheat and potentially shorten the life span.
- Ensure LED luminaire has the correct polarity before installation.



**WARNING:** To reduce the risk of personal injury or property damage from fire, electrical shock, falling parts, abrasions, burns and all other hazards, read all provided warnings and follow installation instructions.

This product should be installed, inspected and maintained by a qualified and licensed electrician. Installation of luminaire must be in accordance with NEC and local code requirements.

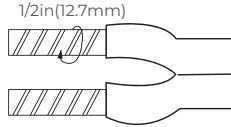
**SAVE THESE INSTRUCTIONS**



**INSTALLATION INSTRUCTIONS**

**1) PREPARING THE CABLE**

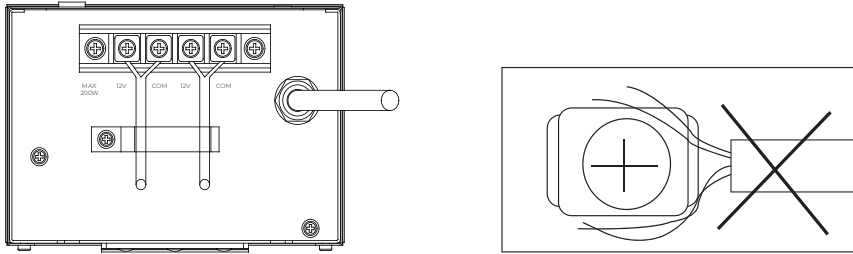
Be careful when splitting the cable to avoid exposing the copper wire. Strip 1/2 inch of insulation from both landscape cables, then twist the exposed ends.



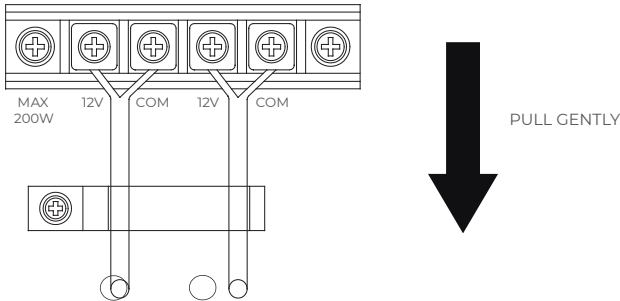
**2) CONNECTING THE CABLE TO THE TRANSFORMER**

Place the transformer on a flat, stable surface. Insert one stripped end of the wire under the terminal labeled 'COM' and tighten the screw securely. Repeat this process for the terminal labeled '12V', selecting it based on the length and gauge of your cable. Refer to the cable selection chart below for guidance.

**Tip 1)** Thread your cable through we white plastic loop to reduce its gravity.

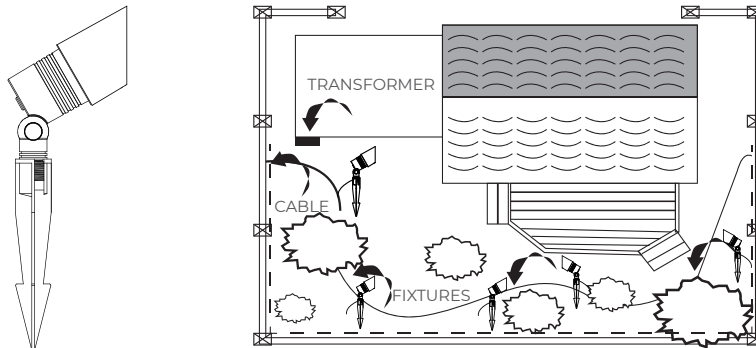


**NOTE:** Gently pull on the landscape cable to verify if the connection is strong.



**3) PLACING YOUR FIXTURES AND ROUTING THE CABLE**

Lay your fixtures (not included) to your desired location. Be sure they do not exceed the 200-watt rating of the transformer. Coil the rest of the cable after the last fixture.



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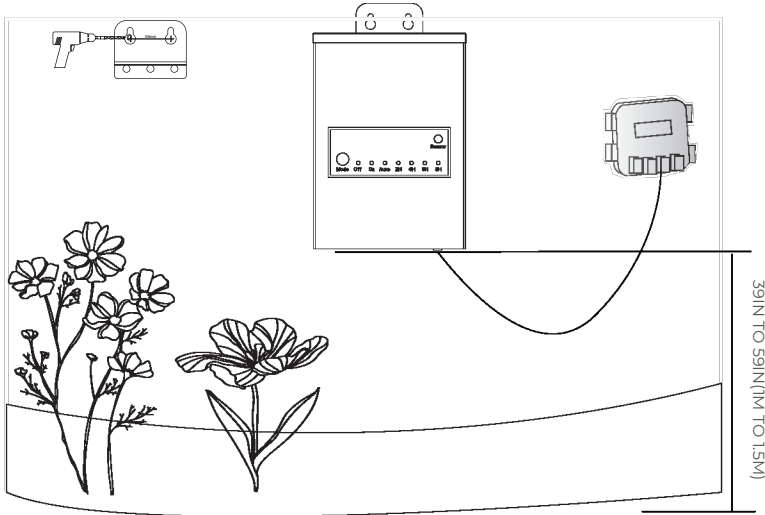


**INSTALLATION INSTRUCTIONS (CONTINUED)**
**4) ATTACHING YOUR FIXTURES**

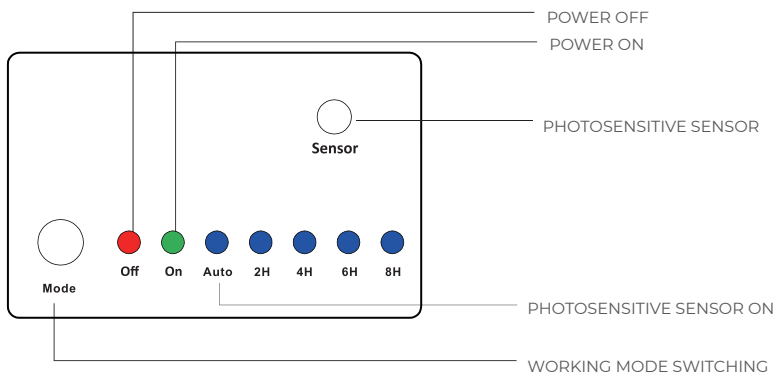
Use the cable connectors to attach your fixtures to the main cable. Plug the transformer into a GFCI outlet and switch it to the ON mode. The lamps should now light up.

**5) MOUNTING THE TRANSFORMER**

Use screws to mount the transformer directly onto a wall. A recommended mounting height is between 39 inches and 59 inches (1 to 1.5 meters) above the ground.


**OPERATING INSTRUCTIONS**
**PANEL DESCRIPTION**

1) Once the product is powered on at 120V/60Hz, it will perform a self-test during startup—during which all indicator lights will briefly illuminate. After the self-test, the indicator light will turn off, indicating that the product is in standby mode.

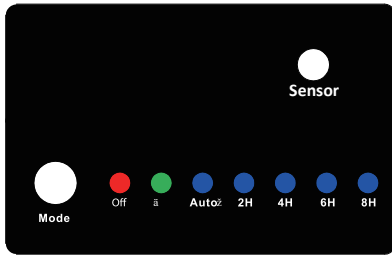

**PRODUCT OPERATION**
**THIS TRANSFORMER FEATURES FOUR AUTOMATIC ON/OFF CONTROL METHODS:**

- 1) Manual Control – Turn the power on or off using the power switch button.
- 2) Timer Control – Automatically turn off the power based on a preset timer.
- 3) Photocell Control – Automatically turns on or off based on ambient light levels.
- 4) 12VDC Output – Can be connected directly to LED light strips or similar 12V devices.

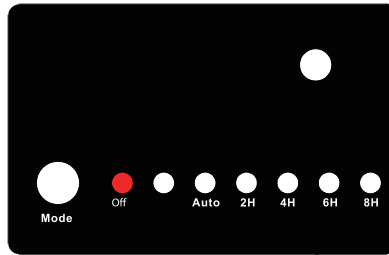
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**OPERATING INSTRUCTIONS (CONTINUED)**

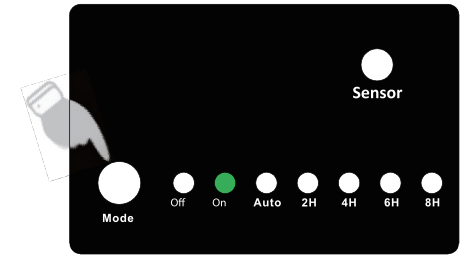
**HOW TO OPERATE**



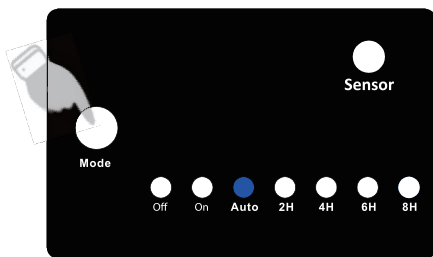
1) Software self-check indicator status during startup.



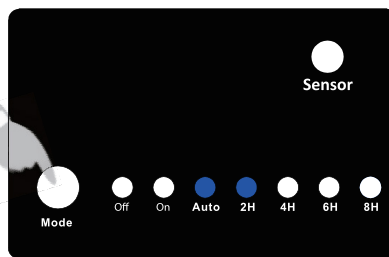
2) After the self-test is completed, the standby state will be on.



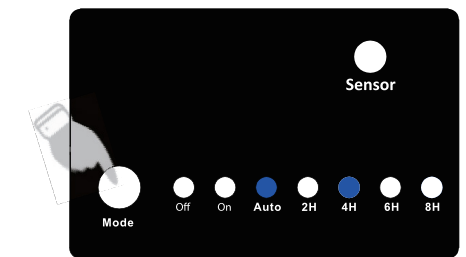
3) While in standby mode, press the Mode button once to activate normal mode.



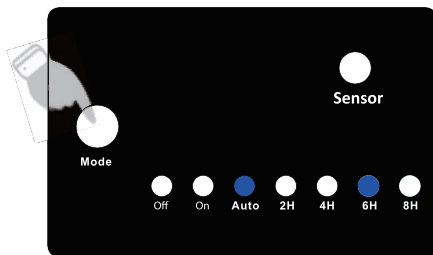
4) Press the Mode button a second time to activate optical sensing mode. The 'Auto' indicator will then turn on.



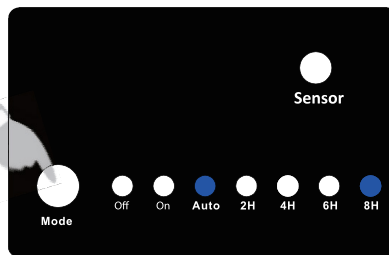
5) Press the Mode button a third time to activate light sensing mode. In this mode, the 'Auto' and '2H' indicator lights will turn on.



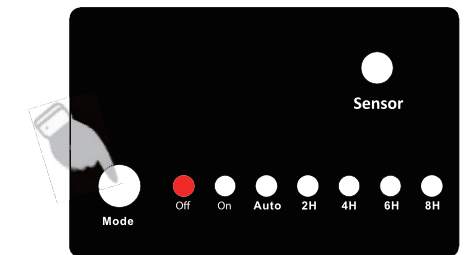
6) Press the Mode button a fourth time to enable optical sensing mode with a 4-hour timer. The 'Auto' and '4H' indicator lights will turn on.



7) Press the Mode button a fifth time to activate optical sensing mode with a 6-hour timer. The 'Auto' and '6H' indicator lights will turn on.



8) Press the Mode button a sixth time to activate light sensing mode with an 8-hour timer. The 'Auto' and '8H' indicator lights will turn on.



9) Press the Mode button a seventh time to return to standby mode. The 'Off' indicator light will turn on.

**TROUBLESHOOTING**

1) The transformer features a power-off memory function. When powered back on, it will automatically return to the mode that was active before the power interruption.

**2) OVERTEMPERATURE PROTECTION**

If the total power of the connected lights exceeds the transformer's rated output power, it will cause the transformer's temperature to become too high. When the temperature exceeds 105°C, the transformer will trigger over-temperature protection and disconnect the input power supply.

**TROUBLESHOOTING STEPS:**

- A) Disconnect the transformer's input power lines;
- B) Reduce the number of connected lights so that their total power is less than the rated power;
- C) Wait patiently for the transformer's temperature to return to normal, which usually takes 2 to 3 hours;
- D) Reconnect the input power to reset.

**3) SHORT-CIRCUIT PROTECTION**

In case of a short circuit at the output, the transformer will trigger a short-circuit protection and disconnect the input power within one second.

**TROUBLESHOOTING STEPS:**

- A) Disconnect the transformer's input power supply;
- B) Check if the connected lights or the output lines have a short circuit and eliminate the fault;
- C) After resolving the issue, reconnect the input line to reset.



**ADDITIONAL IMAGERY**

**SAVE THESE INSTRUCTIONS**

