



SAFETY GUIDE

SAFETY INSTRUCTIONS

Important safety information to reduce risk of fire injury.

1. Do not install within 10 feet (3 m) of a pool, spa or fountain.
 2. There are no serviceable parts inside the power supply unit. **DO NOT DISASSEMBLE.**
 3. Do not repair or tamper with cord or plug.
 4. Do not submerge transformer in water.
 5. Do not mount the transformer onto combustible material.
 6. Do not connect two or more transformers in parallel.
 7. Do not use the transformer with a dimmer switch.
 8. Plug the power supply unit directly into a GFCI wet location outlet.
 9. For use with low voltage outdoor landscape lighting system only.
 10. The maximum output of this transformer is 100 watts. Do not overload the transformer. Be sure that the total cumulative wattage of all 12 volt fixtures connected to the transformer is equal to or less than 100 watts.
- CAUTION:** This landscape light system must be installed in accordance with all local codes and ordinances. If you are experiencing problems, contact a qualified electrician.

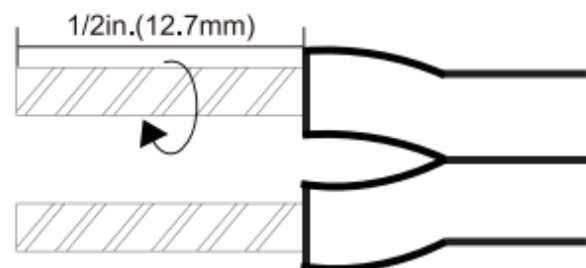
CALCULATION LIGHTING CAPACITY

The 100 Watt transformer has 100 watt circuits which will power up to 100 watts of light. To make sure the maximum number of fixtures can be safely connected to this transformer, add up the individual wattages of all the fixtures. The total wattage of your fixtures must not exceed output capacity of the 100 Watt transformer.

INSTALLATION

1. Preparing the Cable

Being careful when splitting it. NOT to expose the copper cable. Remove the landscape cable insulation 1/2 inch from both cables and twist ends.

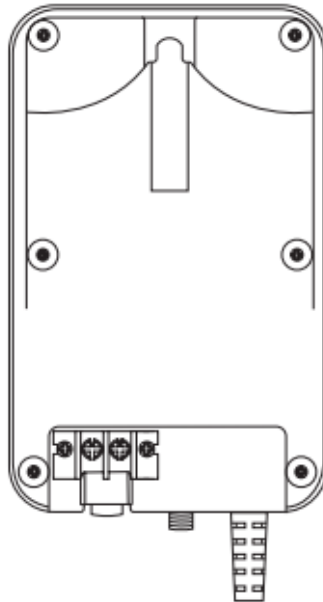




INSTALLATION GUIDE

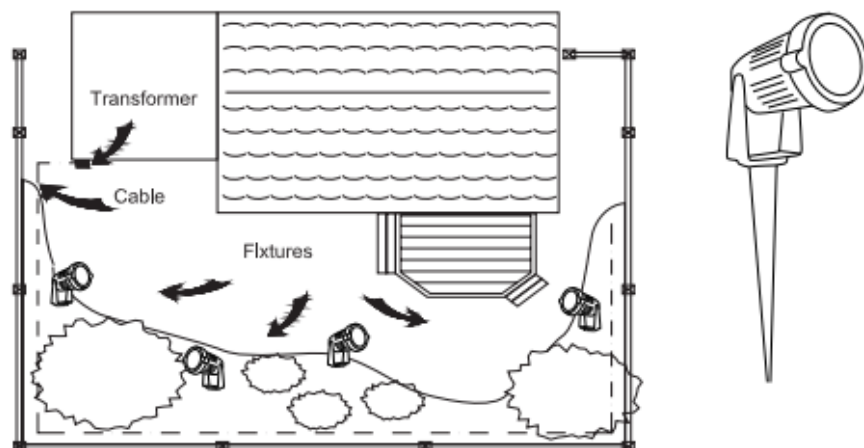
2. Connecting the cable to the Transformer

Lay the transformer on a flat, stable surface and use screwdriver to connect the stripped ends of the cable under the terminal clamping plate.



3. Placing Your Fixtures and Routing the cable

Lay your fixtures (not included) to your desired location. Be sure they do not exceed the 100-watt rating of the transformer. Coil the rest of the cable after the last fixture.



4. Attaching Your Fixtures

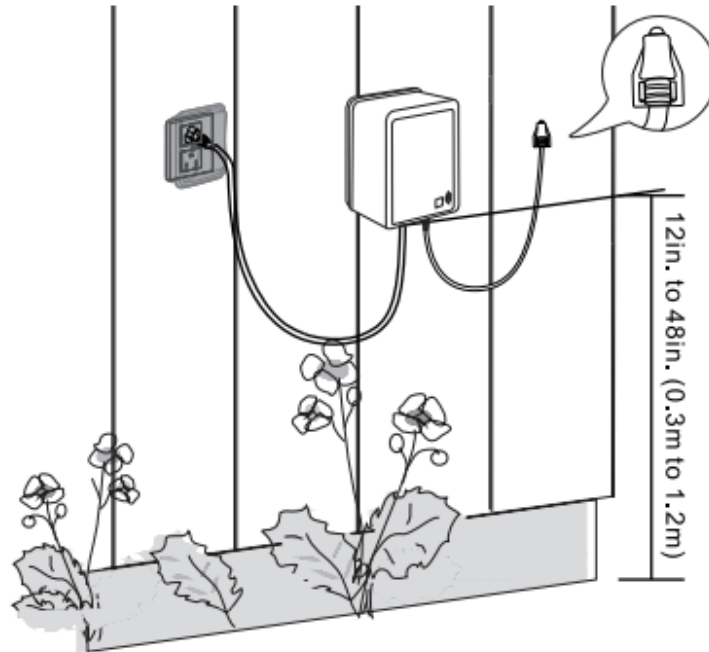
Use the cable connectors to attach your fixtures with the cable. Plug the transformer in the GFCI outlet and enter the ON mode. Then the lamps will light up.



INSTALLATION GUIDE

5. Mounting the Transformer

Use the screw to mount the transformer directly on a wall. 12 inch to 48 inch (0.3 m to 1.2 m) high from the ground would be suggested. Mount the photo eye bracket on a wall with the screw provided. Snap the sensor into the bracket. Route or coil the excess wire to protect it from lawn mowers, trimmers, etc.



OPERATING INSTRUCTION



Figure 1

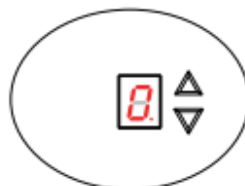


Figure 2



Figure 3

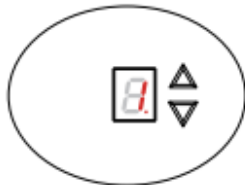


Figure 4

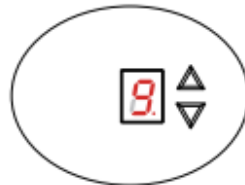


Figure 5





PROGRAMMING GUIDE

Figure 1: OFF MODE

The transformer does not work, there is no output voltage, and the load lamps will not light.

Figure 2: ON MODE

The transformer will maintain the output throughout the day, and the load lamps will always be on.

Figure 3: AUTO MODE

In this mode, it will take 0 ~30s for the transformer to detect the external environment firstly. If it is night, the currently selected output port of the transformer will start output later, then the load lamps will light on automatically and off at dawn. If it is during the day, the currently selected output port of the transformer will have no output and the load lamps will not light.

Note: If the light emitted by the load lamps shines on the sensor at night, it may cause the transformer to continuously switch on/off, and the load lamps flash continuously, with a flash interval of 30s.

Figure 4 & Figure 5: COUNTDOWN MODE

In this mode, it will also take 0~30s for the transformer to detect the external environment firstly. If it is night, the currently selected output port of the transformer will start output later and the load lamps will light. Then they will turn off automatically when the the countdown is over. If it is during the day, the currently selected output port of the transformer will have no output and the load lamps will not light.

Note: When the system starts to count down, if the surrounding light shines on the sensor for more than 30s, the countdown will end, the currently selected output port of the transformer will stop output, and the load lamps will go out.

⚠: Selecting the function On-Auto-Countdown-Off.

TIPS:

1. When the transformer is working, the dot in the lower right corner of the display lights up. If the dot is not light up, it means that the transformer has no output voltage.





TROUBLE SHOOTING

2. The transformer has a power-off memory function. When the transformer powers on again, the transformer will enter the working mode before the power failure.

TROUBLE SHOOTING

T1. The display shows "F"

Step 1: Unplug the transformer from the power outlet.

Step 2: Check if the transformer is overloaded or not.

Step 3: Check if there is a short circuit at the transformer terminals.

Step 4: Check whether the connection between the lamp and the buried wire is short-circuited.

Step 5: Press the circuit breaker button switch.

Step 6: After troubleshooting, replug the transformer, it will automatically reset.

T2. In ON mode, the load lamp is off, the display shows "0"

Step 1: Unplug the transformer from the power outlet.

Step 2: Check if the transformer terminals are properly connected.

Step 3: Check whether the connection between the lamp and the buried wire is correct.

Step 4: After troubleshooting, replug the transformer, it will automatically reset.

T3. In AUTO mode or COUNTDOWN mode, the load lamp does not light, the display shows "A" or "N" (N is the selected timing time).

Step 1: Unplug the transformer from the power outlet.

Step 2: Check if the transformer terminals are properly connected.

Step 3: Check whether the connection between the lamp and the buried wire is correct.

Step 4: After troubleshooting, replug the transformer into the power outlet.

Step 5: Press the up/down button to enter AUTO mode or COUNTDOWN mode, cover the sensor for more than 30s, the load lamp will light up.

CABLE SELECTION CHART





CABLE GUIDE

12 VOLT TAP	Cable Length		
	0-50 feet	51-100 feet	100-150 feet
Total Fixture Wattage			
0-60 Watts	16 AWG	16 AWG	14 AWG
61-120 Watts	16 AWG	14 AWG	12 AWG
121-180 Watts	14 AWG	12 AWG	Not Recommended
181-240 Watts	14 AWG	12 AWG	Not Recommended
241-300 Watts	12 AWG	Not Recommended	Not Recommended

AWG¹ Not recommended for Halogen Landscape.



NOTE: This data is provided as a general guideline. Actual performance will depend on the installation layout, the fixtures, and the condition of the cable. If the wire diameter you use is thinner than the wire diameter recommended in the table, it may cause the flickering of the end lamps.

SPECIFICATIONS

- Input Voltage: 120VAC, 60Hz
- Output: 12VAC
- Max Power Rating: 100W

PACKING LIST

- 1× Low-Voltage Transformer
- 2 × Screws
- 2 × Wall Anchors
- 1× Instruction Manual
- 1 x Photo eye bracket
- 1 x Photo sensor





WARRANTY INFORMATION

One-year Limited Warranty

Supported by our professional R&D team and QC team, we provide One Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation.

Please attach your Order ID and Name so that our dedicated customer service team can help you better.





PRODUCT WARNINGS

- ⚡ Please turn off power before install or change assembly parts.
- ⚡ The input voltage and lamps should be matched, after connecting the power line.
- ⚡ Please make sure the wiring section is insulated.
- ⚡ Professionals must install and disassemble the lamps.
- ⚡ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ⚡ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

BETTER LIGHTS. BETTER SUPPORT.

