

INSTALLATION INSTRUCTION

LOW VOLTAGE TRANSFORMER

E-TF-0124-AC300W

IMPORTANT:

Read all instructions before installing.

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- This power supply complies with the requirements of UL1838. This power supply should be installed in compliance with the National Electrical Code and local electrical codes. This unit is for use with landscape lighting systems only.
- **WARNING –Risk of Electric Shock.** Install power unit 5 feet (1.5 m) or more from a pool or spa and 10 feet (3.05 m) or more from a fountain. Where the power unit is installed within 10 feet (3.05 m) of a pool or spa connect power unit to a GFCI protected branch circuit.
- Do not modify or change the product in any way. This product is to be installed by a qualified electrician only. Failure to do so will void the warranty and may result in serious injury and/or damage to the transformer.
- Connect directly to an outlet; do not use an extension cord with this product. For 120 Volt AC operation only. Be sure that the supply circuit is energized. If this occurs, the circuit breaker can be replaced with a breaker rated for high in-rush currents and should only be done by a qualified electrician.
- To avoid risk of fire do not use a fixture or a combinations of fixtures where the total watts exceed the rating of the power supply.

IMPORTANTE:

Lea todas las instrucciones antes de instalar.

- No conecte este temporizador en un cable de extensión u otro adaptador de corriente. Conecte directamente a una toma eléctrica.
- No conecte el contador a los aparatos que contienen elementos de calefacción (de aparatos de cocina, calentadores, planchas, etc.)
- El fallo del temporizador para apagar dicho dispositivo puede provocar un sobrecalentamiento y un posible incendio.
- No conecte este temporizador si está húmedo.
- No limpie este temporizador cuando está enchufado int.
- No exceder los valores máximos del temporizador.
- Posible riesgo de descarga: Mantener fuera del alcance de los niños.

IMPORTANT:

Lisez toutes les instructions avant de l'installer.

- Ne branchez pas ce temporisateur dans une rallonge ou un autre adaptateur électrique. Branchez directement dans une prise électrique.
- Ne pas relier cette minuterie pour les appareils qui contiennent éléments de chauffage (appareils de cuisson, chauffe, un fer à repasser, etc.)
- L'échec de l'horloge pour éteindre tel dispositif peut entraîner une surchauffe et un incendie.
- Ne branchez pas cette minuterie si elle est mouillée.
- Ne nettoyez pas ce temporisateur quand il est branché int.
- Ne pas dépasser les évaluations maximales de la minuterie.
- Risque d'électrocution: Conserver hors de la portée des enfants.

MODEL NO.	E-TF-0124-AC300W
INPUT	AC120V 60Hz
OUTPUT	12VAC
OUTPUT RATED POWER	300W

Important safety information to reduce risk of fire injury!

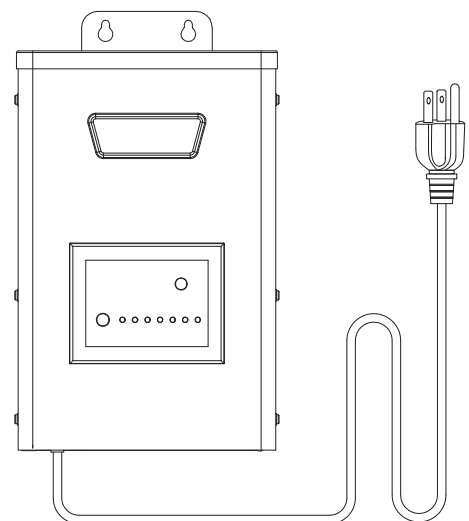
1. Do not install within 10 feet (3 m) of a pool, spa or fountain.
2. There are no serviceable parts inside the power supply unit. **DO NOT DISASSEMBLE.**
3. Do not repair or tamper with cord or plug.
4. Do not submerge transformer in water.
5. Do not mount the transformer onto combustible material.
6. Do not use the transformer with a dimmer switch.
7. Do not plug the power supply unit directly into a GFCI wet location outlet
8. Applicable for low voltage outdoor landscape lighting system only.
9. The maximum output power of the transformer is 300 watt.
10. Do not overload the transformer.

Total power of fixtures should not exceed the output rated power of the transformer.

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

To make sure the maximum number of fixtures can be safely connected to this transformer, add up the individual wattage of all the fixtures. The total wattage of your fixtures must not exceed output capacity of the 300 Watt transformer.

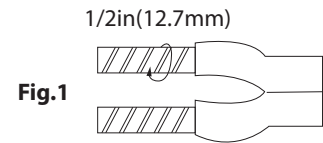


Installation

1.Preparing the Cable

Being careful when splitting it. NOT to expose the copper cable.

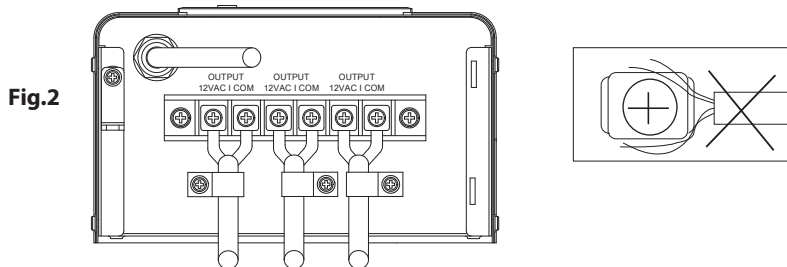
Remove the landscape cable insulation 1/2 inch from both cables and twist ends.(Fig.1)



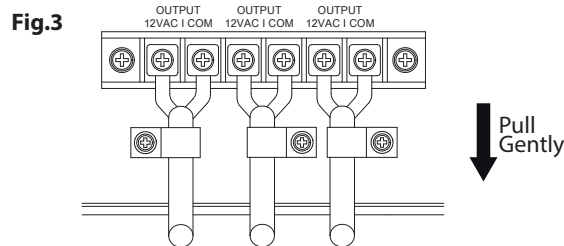
2.Connecting the cable to the Transformer

Lay the transformer on a flat, stable surface and insert one stripped end of the wire under the terminal clamping plate"COM". Then tighten the screw. Repeat this procedure for clamping plate"12V.(choose it according to the length and wire gauge of your cable. Referring to the following cable selection chart for more details.)

Tips: Thread your cable through the white plastic loop to reduce its gravity.(Fig.2)



NOTE: Gently pull on the landscape cable to verify if the connection is strong.(Fig.3)



3.Placing Your Fixtures and Routing the cable:

Lay your fixtures (not included) to your desired location. Be sure they do not exceed the 300-watt rating of the transformer.

Coil the rest of the cable after the last fixture.

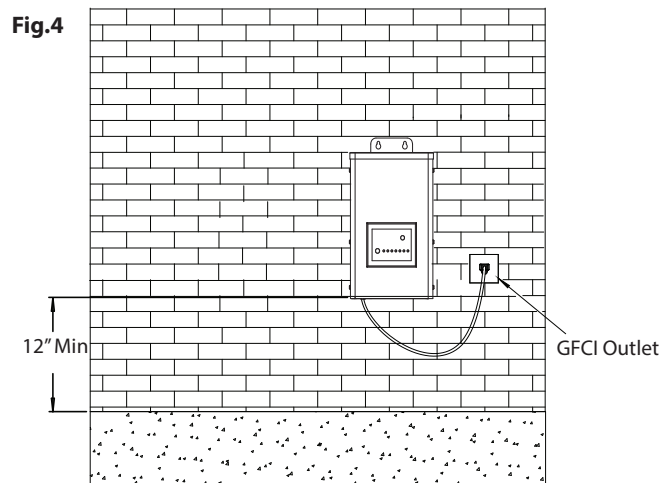
4.Attaching Your Fixtures

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.

5. Mounting the Transformer

Use the screw to mount the transformer directly on a wall.

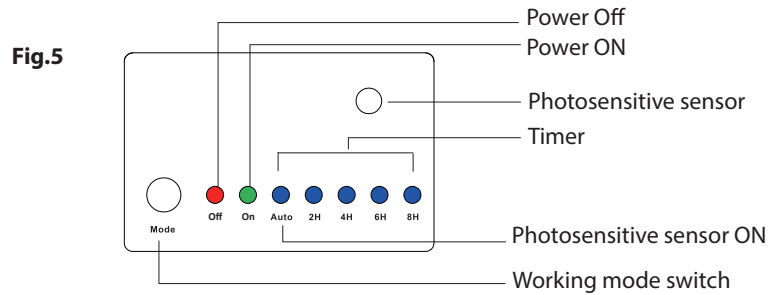
Mount at least 12in above ground.(Fig.4)



Operating instruction

1. Panel description

After the product is switched on at 120V/60Hz working voltage, the software self-tests during startup (all indicator lights will be briefly lit together), and the indicator light stays in the Off normally off state after self-testing, at this time the product is in standby state.(Fig.5)

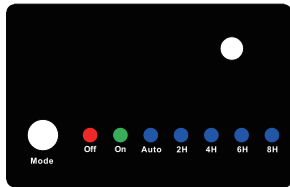


2. Product Operation

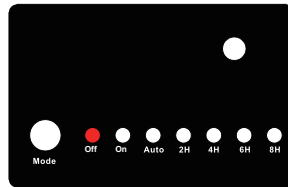
This transformer has three automatic methods to turn on and off:

- ①. On or off with the power switch button.
- ②. Turn off the power supply by clock timing.
- ③. Control on or off by photo sensing.

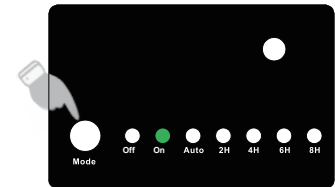
3. Operating instruction



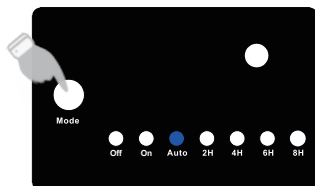
1. Software self-check indicator status during startup.



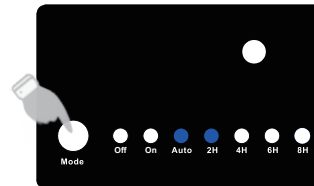
2. After the self-test is completed, the standby state will be on.



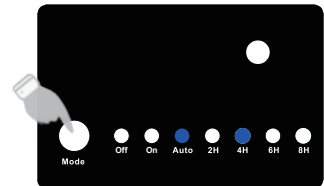
3. In the standby state, press the Mode key for the 1th time to turn On the normal mode.



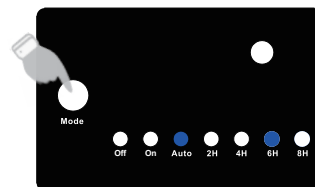
4. Mode key Press for the 2th time to enable the optical sensing mode. Then the Auto indicator is on.



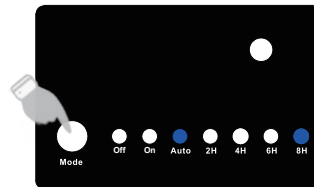
5. Press the Mode key for the 3th time to enable the light sensing mode. In this case, the time is Auto and 2H indicator light.



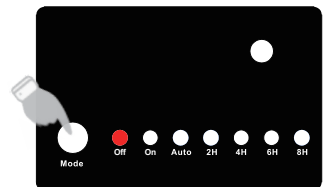
6. Press the Mode key for the 4th time to enable the light sensing mode. In this case, the time is Auto and 4H indicator light.



7. Press the Mode key for the 5th time to enable the light sensing mode. In this case, the time is Auto and 6H indicator light.



8. Press the Mode key for the 6th time to enable the light sensing mode. In this case, the time is Auto and 8H indicator light.



9. Press the Mode key for the 7th time, turn on the standbymode when the Off indicator is on.

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East Grove
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4. Memory function

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.

Note

The position of the photo sensor will affect the light level at which the transformer is turned on in automatic on/off and photo sensor on/off timer modes. Installing the transformer in an area that receives less sunlight at dusk (east side of the house, behind trees and shrubs, under patios) will cause the transformer to turn on earlier in the evening. Install the transformer in a brightly lit place, and the transformer will start when it gets dark. The position, and direction of the installed transformer can be adjusted until the transformer turns on under the required illumination. Avoid pointing the sensor at night-time sources such as windows, porch lights and street light.

WARNING:

The transformer has built-in over current protection and over temperature protection functions. Circuit breakers will trip if there is a short, or if total lamp wattage exceeds the rated power of the transformer. If breaker trips check total wattage of lamps or for a short in the circuit. Restart after trouble shooting, the circuit will resume to use.