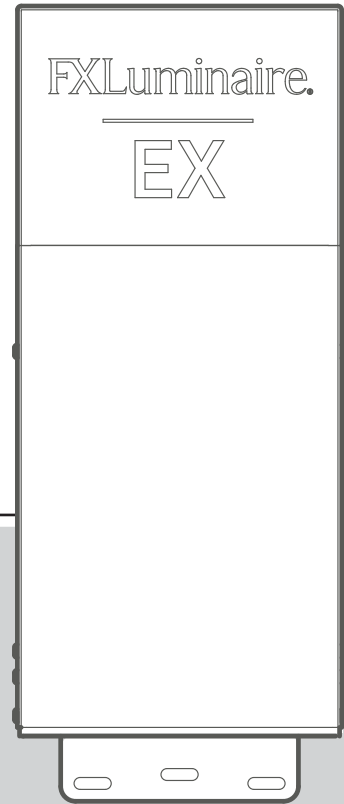


# EX TRANSFORMER

LED Landscape  
Lighting Transformer

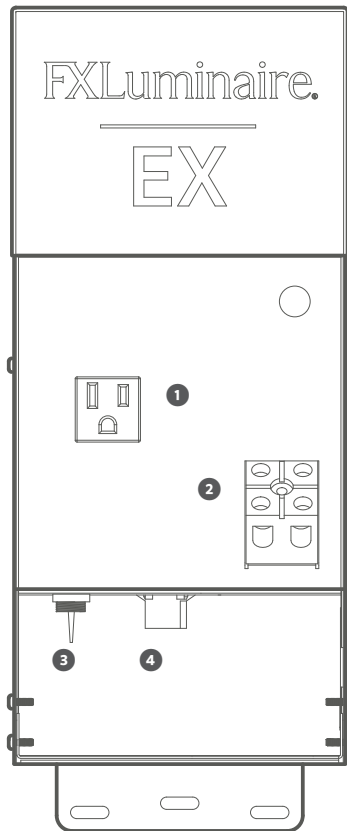
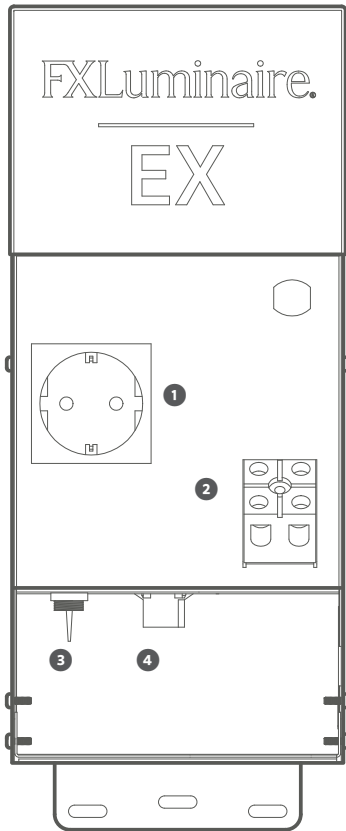


Owner's Manual and Installation Instructions  
for EX Transformer

FXLuminaire®

# EX OVERVIEW

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- 1 Timer receptacle
- 2 Output voltage taps
- 3 Circuit breaker switch
- 4 Photocell receptacle

# EX OVERVIEW

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This power supply is for use with landscape lighting systems only. Do not submerge the transformer.

- Do not connect two or more power supplies in parallel.
- For outdoor use only.
- For use in enclosures only with provided conduit adaptor plate.
- The National Electrical Code requires that wiring concealed or extended through a building wall must be enclosed in conduit.
- The transformer should be mounted close to the power supply. Extension cords should not be used with this unit.

**WARNING:** To reduce the risk of electric shock, use only with low-voltage landscape fixtures and accessories. Do not use with swimming pool or spa lighting fixtures. Install the power unit in enclosures or on surfaces that are not combustible.

To reduce the risk of electric shock, install the power unit 5' (1.5 m) or more from a pool, spa, or fountain. When the power unit is installed (a) indoors within 10' (3.0 m) of a pool, spa, or fountain or (b) outdoors, connect the power unit to a receptacle protected by a GFCI.

- This power unit shall be connected to a 120-volt (230-volt “e” version) covered GFCI receptacle marked “WET LOCATION” while in use.
- Mount the transformer at least 1' (0.3 m) above ground level with the wire terminals facing down.

**NOTE:** Do not energize the transformer until installation of the system is complete.

- Direct-burial-rated wire should be buried a minimum of 6" (152 mm) beneath the surface of the ground.
- Transformer load: To determine the transformer size you will need, add up the wattages of all the lamps you plan to use. Select a transformer wattage in excess of the required load. Generally, the total lamp load should not be less than one-third of the transformer’s wattage rating, nor exceed its maximum wattage capacity. If your total wattage is too high, divide the load between two transformers.

# INSTALLATION

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1. Install transformer(s) in a well-ventilated area away from direct irrigation spray and central to the proposed installation site.
2. Mark the position of the top of the keyhole slot and the slot located at the bottom.
3. If mounting to a solid surface, drill  $\frac{1}{8}$ " (3 mm) diameter pilot holes at the positions marked in step two. Drive screws approximately halfway into the holes.
  - If mounting to drywall, drill  $\frac{1}{4}$ " (6 mm) diameter holes at the positions marked in step two. Push plastic anchors into the holes and tap until flush. Drive screws approximately halfway into the plastic anchors.
4. Slip the large portion of the keyhole over the top screw and allow the transformer to slide down, making sure the bottom slot is behind the head of the bottom screw.
5. Tighten screws until the transformer is secure.
6. Split 12/2, 10/2, or 8/2 cable approximately 3" (80 mm), and strip  $\frac{1}{2}$ " (13 mm) of insulation from each wire.
7. On the terminal block marked "COM," push one bare wire into the hole and tighten the corresponding screw on the terminal block face until the wire is secure.
8. Insert the remaining bare wire into the terminal block marked "15V" and tighten the corresponding screw on the terminal block until the wire is secure.
9. If using a plug-in timer, plug the timer into the receptacle. Plug the short power cord into the timer. Set the timer according to the instructions provided with the timer. If not using a plug-in timer, plug the short power cord into the receptacle.
10. Optional photocell installations:
  - Make sure the power is off and the transformer is not plugged into an electrical outlet.
  - Insert the photocell white connector through the knockout hole. Inside the housing, slide the spacer and star nut over the white connector, thread it onto the photocell, and tighten.

# INSTALLATION

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- Plug the photocell connector into the photocell receptacle located inside the power unit.
  - Locate the transformer and position the photocell so that no light can shine on the cell. It will cause the photocell to cycle on and off.
11. Plug the power supply cord into a standard 120-volt receptacle.
- **NOTE:** The power supply cord must be plugged into a weather-tight receptacle equipped with a GFCI.

**WARNING:** To reduce the risk of electric shock when used outdoors, install only within a covered Class A GFCI-protected receptacle that is weatherproof with the power unit connected to the receptacle. If one is not provided, contact a qualified electrician for proper installation. Ensure that the power unit and cord do not interfere with the complete closing of the receptacle cover.

## **CIRCUIT BREAKER** (secondary side; 15-volt side)

- The circuit breaker (12.5 amps) will trip if there is a short or if the total current installed exceeds the rated current per circuit.
- To reset the breaker, flip the switch to OFF and then back to the ON position.
- If the unit cycles on and off without regard to the timer setting, it should be checked by a qualified service person.

## **THERMAL PROTECTION** (primary side)

- This unit is equipped with a thermal protector and will shut off if overheated.

# WARRANTY

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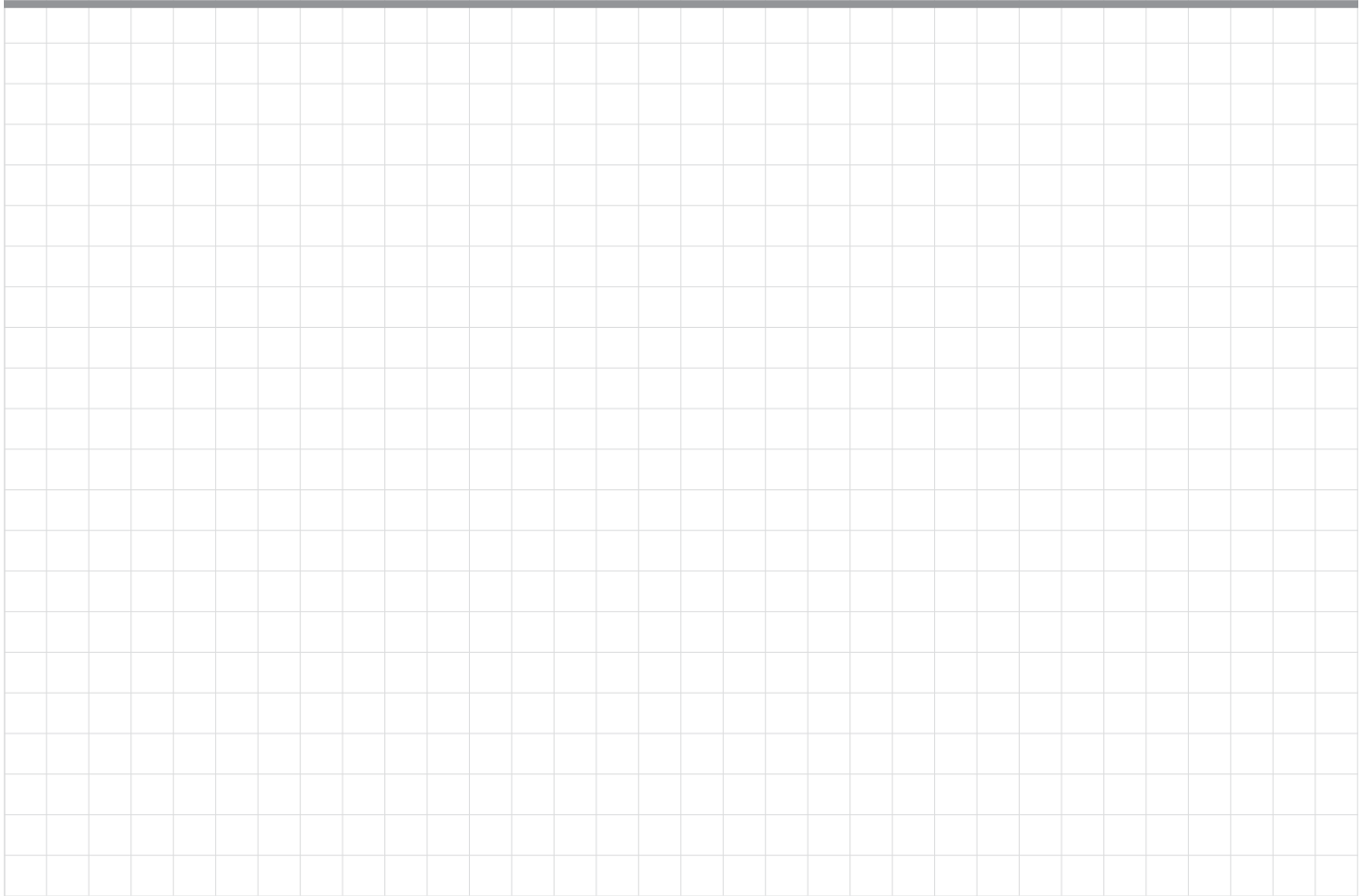
Hunter Industries Incorporated (“Hunter”) warrants FX Luminaire (“FX”) Transformers to be free of defects in materials or workmanship under normal use for a period of ten (10) years from the original date of installation. Hunter warrants FX Low-Voltage Lighting Fixtures to be free of defects in materials or workmanship under normal use for a period of three (3) years from the original date of installation. Hunter extends the warranty on FX Fixtures to ten (10) years from the original date of installation when both FX Fixtures and Transformers are installed on the same project exclusive of any competitor’s product. Hunter warrants FX LED Fixtures to be free of defects in materials or workmanship under normal use for a period of ten (10) years from the original date of installation. If a defect in an FX product is discovered during the applicable warranty period, Hunter will repair or replace, at its option, the product or the defective part. This warranty does not extend to repairs, adjustments, or replacement of an FX product or part that results from misuse, negligence, alteration, modification, tampering, or improper installation and/or maintenance of the product. This warranty extends only to the original installer of the FX product. If a defect arises in an FX product or part during the warranty period, you should contact your local FX Authorized Distributor.

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**Any FX Luminaire product being returned must receive a Return Goods Authorization number from Hunter Customer Service prior to returning the product.** All returned products are subject to a 25 percent restocking fee. Products must be returned within six (6) months of order date. All products returned must be in their original packaging, be undamaged and unused and never energized. Products not meeting these criteria will be returned to the original sender. Hunter Industries is not responsible for product loss or damage incurred during the return transit to the RMA location.

If you have questions concerning the warranty or its application, please write to: Customer Service Department, FX Luminaire, 1940 Diamond Street, San Marcos, CA 92078, USA.

# NOTES



Find helpful information about your product, including tips on installation, controller programming, and more.



 [fxl.com](https://www.fxl.com)

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**LANDSCAPE LIGHTING**

1940 Diamond Street, San Marcos, California 92078, USA

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