

SPECIFICATIONS

LAND MASTER® TRANSFORMER

Updated: 24 Apr 2026

1.0 DESCRIPTION

- A. Branding.** LAND MASTER® LIGHTING is a product line of landscape lighting products designed and manufactured by AQUAMASTER® FOUNTAINS AND AERATORS.
- B. Transformer** is a land scape lighting power unit which shall consist of a fiberglass panel enclosure. Inside the enclosure is a class I power supply, a class II power supply, a control circuit board, a series of lever terminals, a solid state relay, and a cable management system. A membrane style cable entry shall be mounted on the bottom of the enclosure in addition to a 5 foot power cable. The unit shall have provisions for locking.
- C. Control Circuit Board** shall consist of a thermomagnetic toggle rocker style supplemental circuit breaker, a microcontroller which provides wireless control, a thermostat to monitor panel temperature, a GPS module, flying leads for incoming power, flying leads for outgoing data, and flying leads for control of a solid state relay. The control board shall have a series of status indicator LEDs to monitor Power, On/Off status of lights, if a GPS signal is present, and if the thermostat has opened due to the internal temperature of the panel.
- D. Class 1 Power Circuit** shall consist of a 24 VDC, 300 W solid state LED driver power supply. The input shall be wired through the toggle rocker breaker. The 24 VDC output is always energized as long as power is connected and the breaker is not tripped. The output shall be wired to two sets of two lever terminals which are designated as 24V+ and 24V-, and labeled as class 1.
- E. Class 2 Power Circuit** shall consist of a 12 VDC, 100 W solid state LED driver power supply. The input shall be wired through the toggle rocker breaker. The 12 VDC output is interrupted by a solid state relay whose state is controlled by the microcontroller. The output shall be wired to

- two sets of two lever terminals which are designated as 12V+ and 12V-, and labeled as class 2.
- F. Wireless Control.** The Land Master® Transformer produces its own wireless access point which allows it to be connected to and controlled by any WiFi enabled smartphone, tablet or computer—even when a cellular signal or internet connection is not present. No app download is needed, only a modern browser such as Safari, Firefox or Chrome.
 - G. Safety Testing.** The Land Master® Transformer has been evaluated for safety against fire and electrical hazard by Underwriters Laboratory under standard UL 1838 (Low Voltage Landscape Lighting Systems). The Land Master® Transformer is UL listed under file number E492645.
 - H. Warranty.** The Land Master® Transformer is covered by warranty against failures due to material defects or workmanship, at 100% of the original cost for a period of 3 years. See the official warranty policy or “Warranty at a Glance” documentation for additional details.
 - I. Installation** shall be done in accordance with the installation instructions, and in compliance with all local and National Electrical Code requirements. Any alterations or substitutions void the Underwriters Laboratories Listing and will void the product Warranty. Read the instructions thoroughly before starting the installation and follow them carefully throughout.
 - J. Flooding.** The Land Master® Transformer shall not be installed in locations with a history of flooding.
 - K. Installation Location.** UL 1838 prohibits the installation of landscape lighting power units (commonly known as transformers) within 10 feet (3.05 m) of any pool or spa.
 - L. Manufacture.** The Land Master® Transformer is proudly assembled in the USA. Assembly is performed at AQUAMASTER® FOUNTAINS AND AERATORS, 16024 COUNTY RD X, Kiel, WI 53042, (920) 693-3121.

www.aquamasterfountains.com

2.0 DETAILED ELECTRICAL INFORMATION

- A. Voltage.** The Land Master® Transformer shall be powered by a standard North American power outlet supplying 120 VAC nominal voltage (110 to 125 VAC) at 60 Hz.
- B. Amperage.** The Land Master® Transformer can draw up to 3.8 amps of current.
- C. Power Circuit Classifications.** The Land Master® Transformer has outputs for both Class I and Class II circuits.
- Landscape lights approved for use with Class II power units may only be operated off the Class II circuit/terminals.
 - Landscape lights approved for use with Class I power units may be operated off either the Class I or Class II circuit/terminals.
- D. Supply Outlet.** A GFCI outlet is recommended for Land Master® Transformers mounted outdoors. The Land Master® Transformer should only be used with outlets protected by a circuit breaker.
- E. Installation** shall only be performed by qualified electrical personnel who are familiar with landscape lighting systems.