

# EM600S12DC

## Magnetic Phase cut Dimmable

Outdoor Black Powder Coated Steel Enclosure

Double Circuit: **2 X 12VDC**

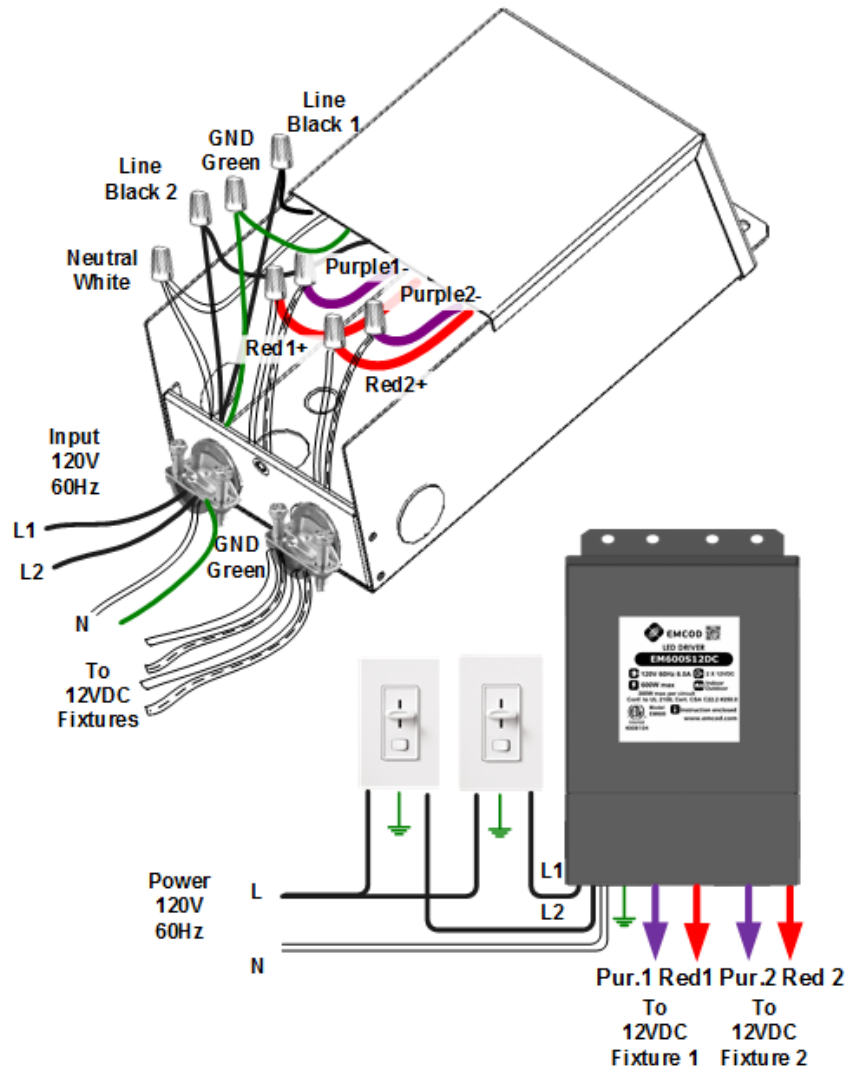
Total Wattage: **600W max**

Input Voltage: **2 X 120V 60Hz**



Conforms to UL STD. 2108  
Certified to CSA  
STD. C22.2 № 250.0  
model EM600  
[Link to certification](#)

## Installation Instruction



- \* Read instruction completely before installation.
- \* Turn off electricity before wiring.
- \* Only qualified personal should install the unit
- \* Installation must comply with the NEC.
- \* Ensure the unit has input, output voltage and output wattage proper for your application.

### Mounting

The transformer must be mounted in at least 15" of a free flow air space for proper ventilation. The transformer must never be mounted next to or above heat radiated objects. The maximum ambient temperature should not exceed 50 deg. C (110 deg. F) Attach mounting plate to the rigid vertical surface with two screws (screws are not included). Hang transformer on the hook of the mounting plate vertically when installed outdoor. When mounting indoor the unit can be installed horizontally, as well.

### Connection

Open the wire compartment and remove knockouts for input and output, install strain reliefs (wire clamps). Use only right size and UL approved wire nuts.

### Input Connection

Bring your line and neutral wires through input strain relief and connect them to the Black and White transformer leads. If you want to control two output circuit separately, please connect your two dimmers as on the diagram. Otherwise connect L1 and L2 to one dimmer or at no dimmer directly to your power switch.

### Output Connection

Bring your first 12V lights wires through output strain relief and connect to the Red 1 and Purple 1 transformer leads. Bring your second 12V lights wires through output strain relief and connect to the Red 2 and Purple 2 transformer leads wires.

Make sure all your connections are very tight.

### Grounding

The core and coil assemblies are grounded to the enclosure. The enclosure in turn should be grounded in accordance with NEC and local code. Connect the transformer green wire to the ground.