

SRT0-B-500W

Magnetic

Outdoor Black Powder Coated Steel Enclosure

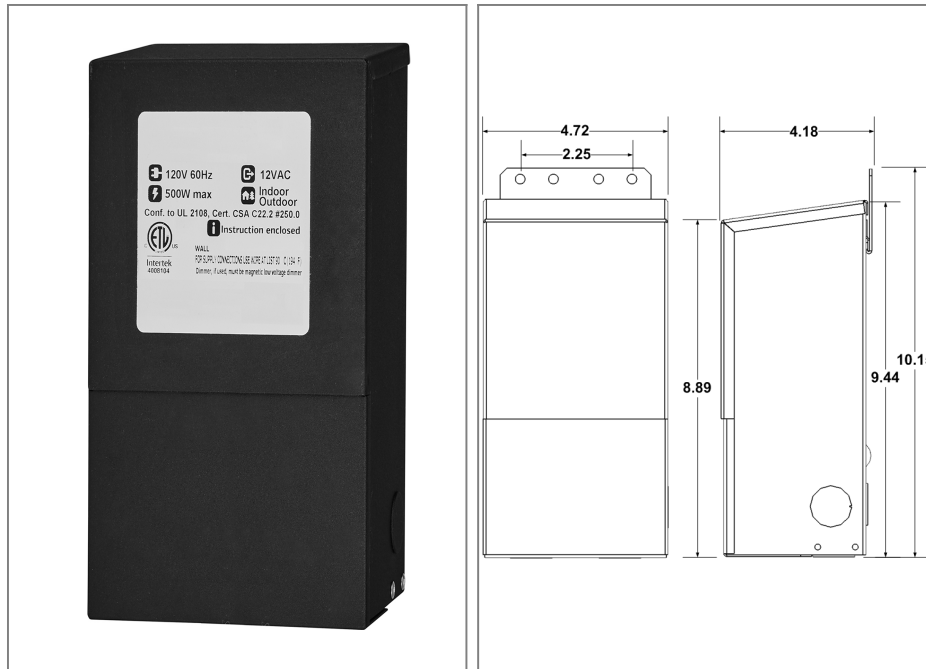
Double Circuit: **12/24VAC**

Total Wattage: **500W max**

Input Voltage: **120V 60Hz**



Conforms to UL STD. 2108
Certified to CSA
STD. C22.2 No. 250.0
model EM500



Transformer

Temperature class B(130°C)

Two section bobbin completely separated primary and secondary windings

Input leads are 18AWG 600V

Output leads are 12AWG 300V

Leads max. operational temperature is 105°C

Thermal manually reset primary breaker 7A per circuit

Housing

The actual transformer 500W is encapsulated in the enclosure

The enclosure is Black Powder Coated Steel, NEMA 3R rated

Wiring compartment has 6 knockouts sizes for 3/8 inch screw cable connectors

Enclosure Temperature does not exceed 75°C at 45°C ambient and fully loaded

Dimensions (inch): H = 9.4, W = 4.6, D = 4.1

Weight (LBs): 18

Electrical Parameters

Input Voltage: **120V 60Hz**

Max. input current at full load: **5A**

Output voltage without load: **12.4/ 24.8VAC**

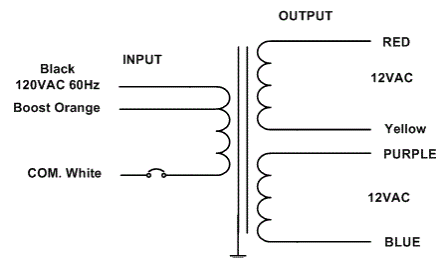
Output voltage fully loaded: **11.8/ 23.8VAC**

Max. Total Wattage: **500W** Max. per circuit: **250W**

Max. Output Current: **20.8/ 10.4A** per circuit.

Efficiency: **93%**

Load regulation: **0.05%**



B Series Double Circuit

Magnetic Dimmable Lighting Transformers

Output Voltage: 12/24VAC

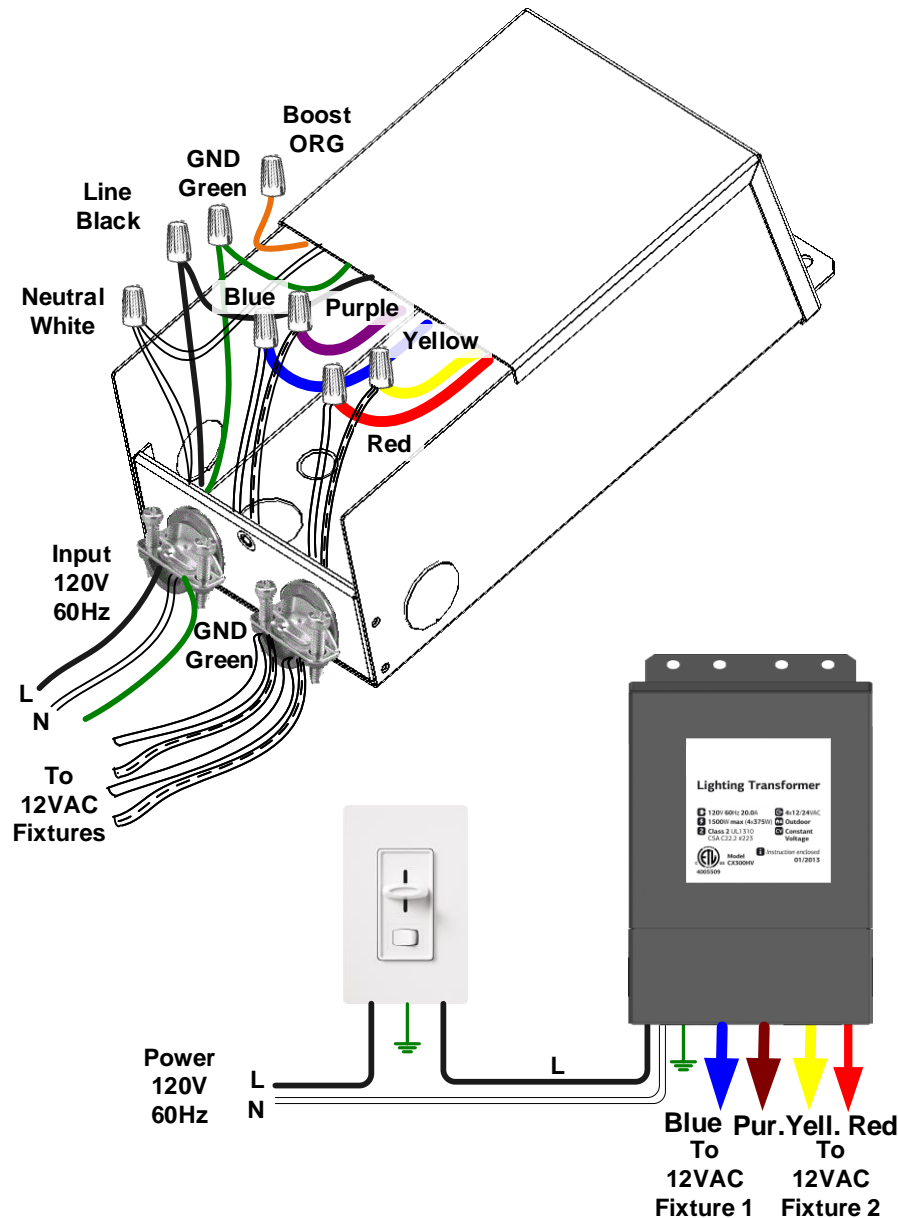
Input Voltage: 120V 60Hz



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Certified to CSA STD. C22.2 # 250.0



- * 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 a two screws. 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.

Output Connection

Bring your first 12V lights wires through output strain relief and connect to the Red and Yellow transformer leads. Bring your second 12V lights wires through output strain relief and connect to the Purple and Blue transformer leads. For 24V system connect together Yellow and Purple lead wires, bring your 24VAC lights wires and connect them to the Red and Blue lead wires. For one circuit 12V connect Red and Purple together and Yellow and Blue together. Bring your 12V light wire and connect to Red/Purple and to Yellow/Blue wires. Make sure all of 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.

Boost-Tap: (Orange)

If voltage on your lights below 10.5V, replace the black wire with the orange (on input connection). If using orange wire, be sure to put the wire nut (taken from the orange wire) onto the black wire.