# EM500S12AC

**Magnetic**

Outdoor Black Powder Coated Steel Enclosure
Double Circuit: **12/24VAC**
Total Wattage: **500W max**
Input Voltage: **120V 60Hz**

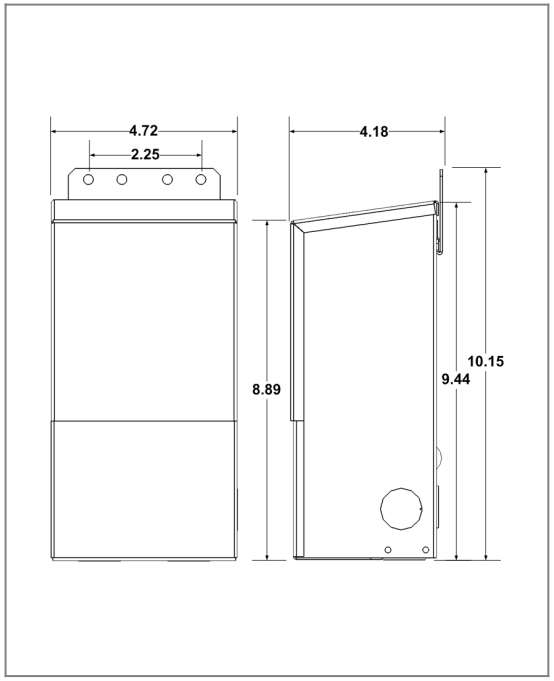
EMCOD Lighting Group

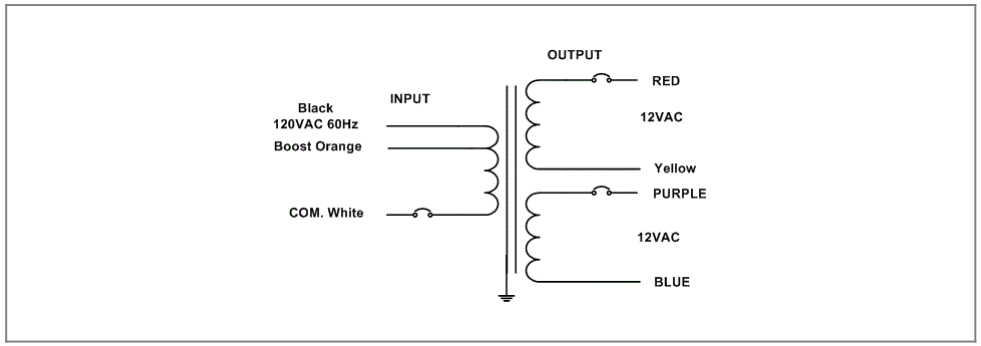
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**Conforms to UL STD. 2108**
**Certified to CSA**
**STD. C22.2 № 250.0**
**model EM500**
**Link to certification**




## 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
Thermal manually reset secondary breaker 25A 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%** |

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