MT600D-12VDC

Magnetic Phase cut Dimmable

Outdoor Black Powder Coated Steel Enclosure

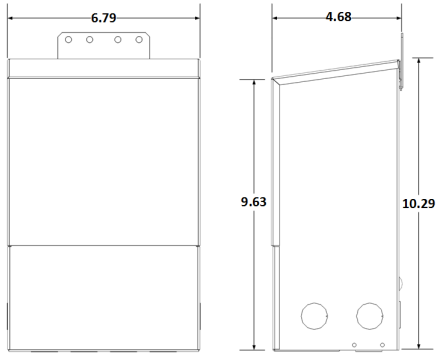
Double Circuit: **2 X 12VDC**

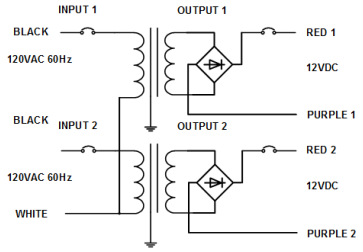
Total Wattage: **600W max**

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

C2CLIGHTS.com
COAST2COASTLIGHTINGCO

Conforms to UL STD. 2108
Certified to CSA
STD. C22.2 № 250.0
model EM600
4008104





Transformer

Dimmable with compatible MLV, ELV, CL dimmers, please refer to list on emcod.com
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 5A
Thermal manually reset secondary breaker 25A per circuit

Housing

The actual transformer 600W is encapsulated in the enclosure
The enclosure is Black Powder Coated Steel, NEMA 3R rated
Wiring compartment has 12 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 = 10.29, W = 6.79, D = 4.68
Weight (LBs): 18

Electrical Parameters

Input Voltage:	**2 X 120V 60Hz**	
Max. input current at full load:	**6A**	
Output voltage without load:	**12.5VDC**	
Output voltage fully loaded:	**11.5VDC**	
Max. Total Wattage:	**600W**	Max. per circuit: **300W**
Max. Output Current:	**25A** per circuit.	
Efficiency:	**93%**	

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**

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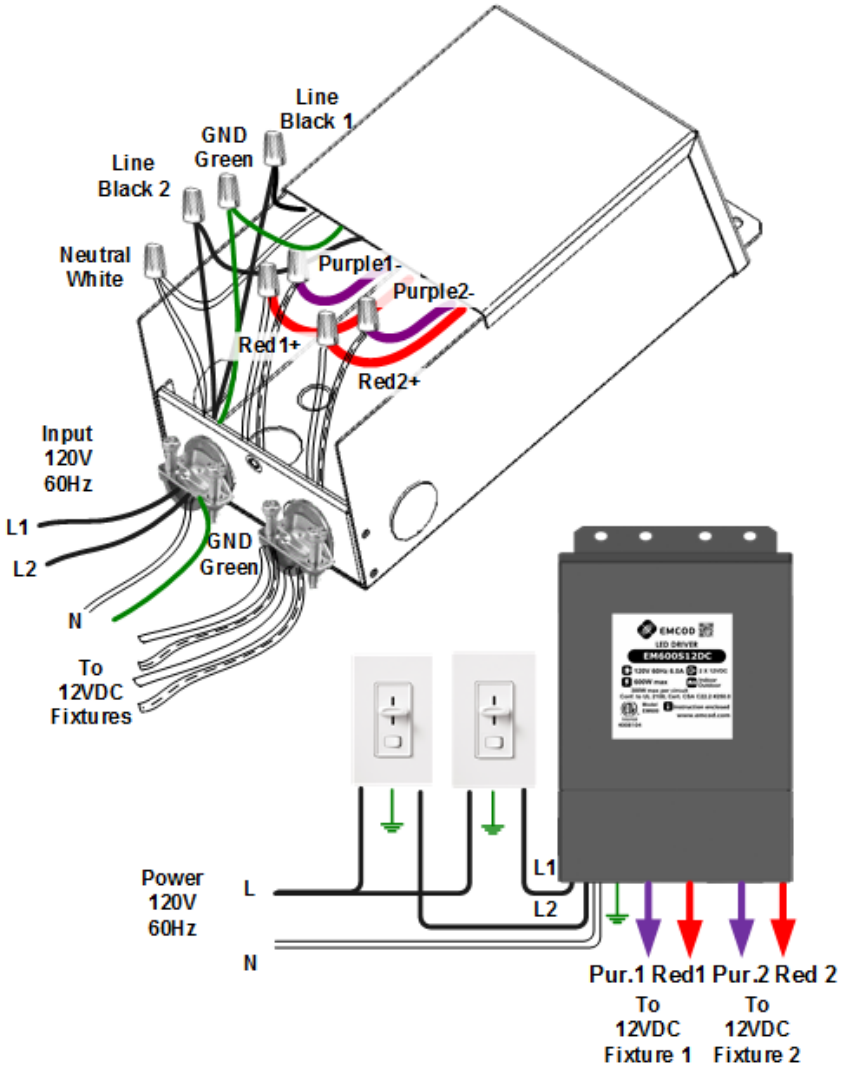
model EM600

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 transformers 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 Red1 and Purple1 transformer leads. Bring your second 12V lights wires through output strain relief and connect to the Red2 and Purple2 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.

MT600D-24VDC

Magnetic Phase cut Dimmable

Outdoor Black Powder Coated Steel Enclosure

Single Circuit: **24VDC**

Total Wattage: **600W max**

Input Voltage: **120V 60Hz**

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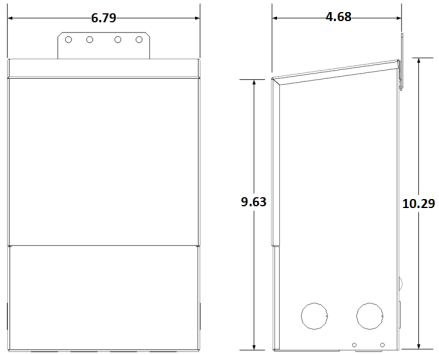
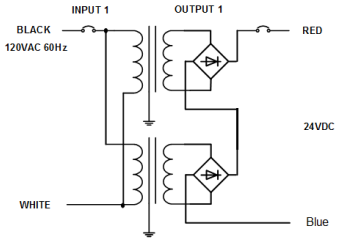
Conforms to UL STD. 2108
Certified to CSA
STD. C22.2 № 250.0
model EM600
4008104





Transformer

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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 10A
Thermal manually reset secondary breaker 25A

Housing

The actual transformer 600W is encapsulated in the enclosure
The enclosure is Black Powder Coated Steel, NEMA 3R rated
Wiring compartment has 12 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 = 10.29, W = 6.79, D = 4.68
Weight (LBs): 18

Electrical Parameters

Input Voltage:	**120V 60Hz**
Max. input current at full load:	**6A**
Output voltage without load:	**25VDC**
Output voltage fully loaded:	**23.5VDC**
Max. Total Wattage:	**600W**
Max. Output Current:	**25A**
Efficiency:	**93%**

MT600D-24VDC

Magnetic Phase cut Dimmable

Outdoor Black Powder Coated Steel Enclosure

Single Circuit: **24VDC**

Total Wattage: **600W max**

Input Voltage: **120V 60Hz**

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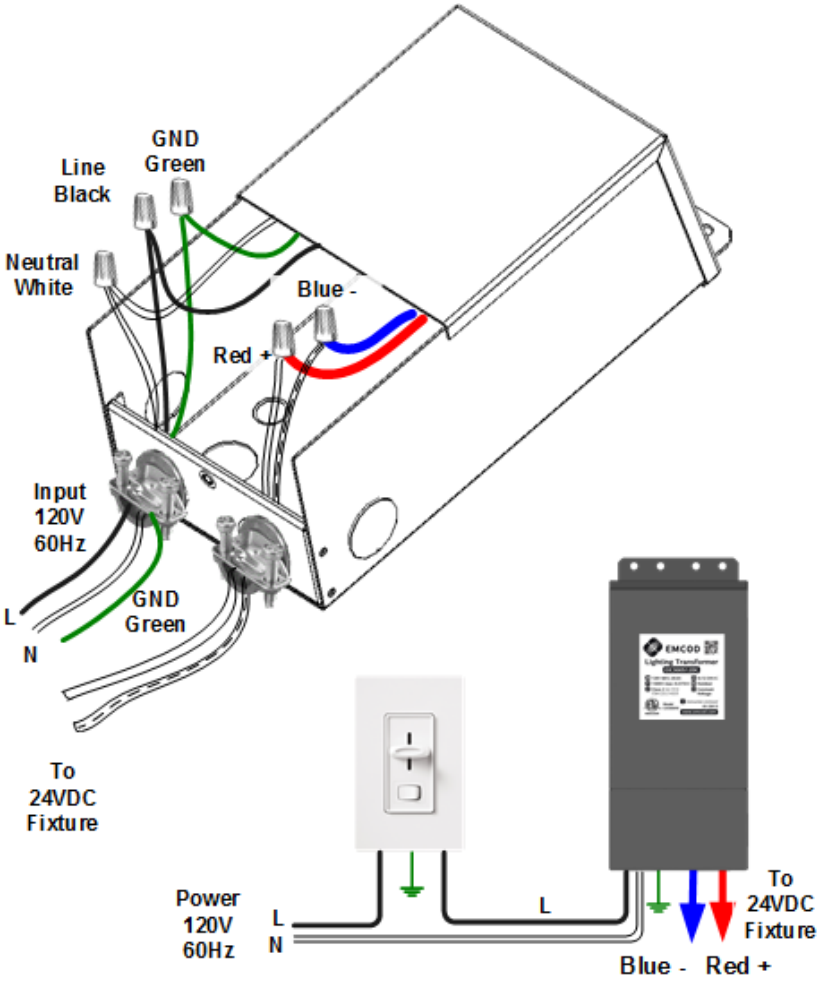

Installation Instruction

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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 transformers leads.

Output Connection

Bring your lights wires through output strain relief and connect to the Red + and Blue - transformer leads. 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.