EPC40W

Magnetic Non Dimmable

Outdoor Black Powder Coated Steel Enclosure

Multi Tap: **12VAC and 15VAC**

Total Wattage: **40W max**

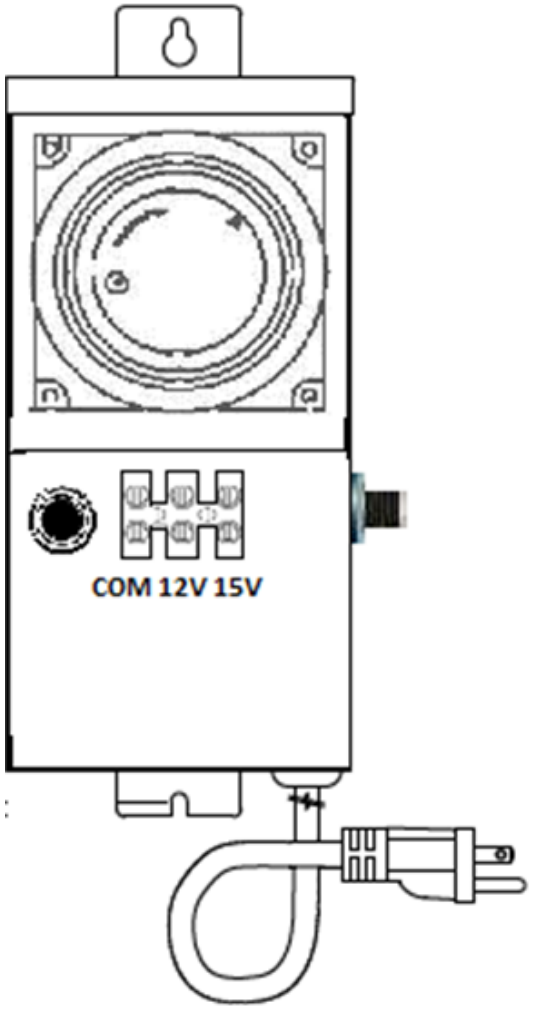
Input Voltage: **120V 60Hz**

EMCOD
ElectroMagnetic Component Optimal Design

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Conforms to UL STD. 1838
Certified to CSA
STD. C22.2 № 250.0, 250.7

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 a free flow air space for proper ventilation.
The maximum ambient temperature should not exceed 50 deg. C (110 deg. F)
Use the keyholes bracket to mount transformer vertically with wire compartment pointing down.

Input Connection

This transformer configured with line cord for easy input connection by plugging it into 120V 60Hz receptacle. The max. input current at fully loaded transformer should not exceed 0.35Amps for 40W, 0.63Amps for 75W, 3 Amps for 300W, 5Amps. For 600W, 7.5Amps fpr 900W and 10Amps for 1200W Transformers., check it by Ampere meter clamp on wire loop.

Output Connection

This unit has one com. and 2 taps: 12V and 15V. Don't short the one tap to another.
You can connect your lights to any tap in different combinations. The total wattage should not exceed 40W on any tap and on the com. For example: for 15V tap it's 40W divided by 15V=2.7Amps. 2.7Amps. multiply by 12V=32W, so your lights total wattage on 15V tap 32W max.
Always connect your lights to 12V tap first, check voltage on the lights, move to higher tap if the voltage less than 10.5V. We recommend max. voltage 11.5V. Make sure all your connection are very tight to avoid terminal block melting and wire burning. For voltage drop control see chart below.

VOLTAGE DROP*

Wattage	12 volt output				15 volt output			
	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG
50W	81	129	204.5	317	244	390	613	950
100W	40.6	65	102	158	122	195	307	475
150W	27	43	68	105	81	130	204.5	317
200W	20	32	51	79	61	97	153	237
250W	16.3	26	41	63.4	48.8	78	123	190
300W	13.5	21.6	34	52.8	40.6	65	102	158

* Note: Min. Volts on the load is 10.5V @ 20^0C; Distance in FT.

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