EMT-600-H

Magnetic

Outdoor Black Powder Coated Steel Enclosure

Multi Tap: **12-15VAC**

Total Wattage: **600W max**

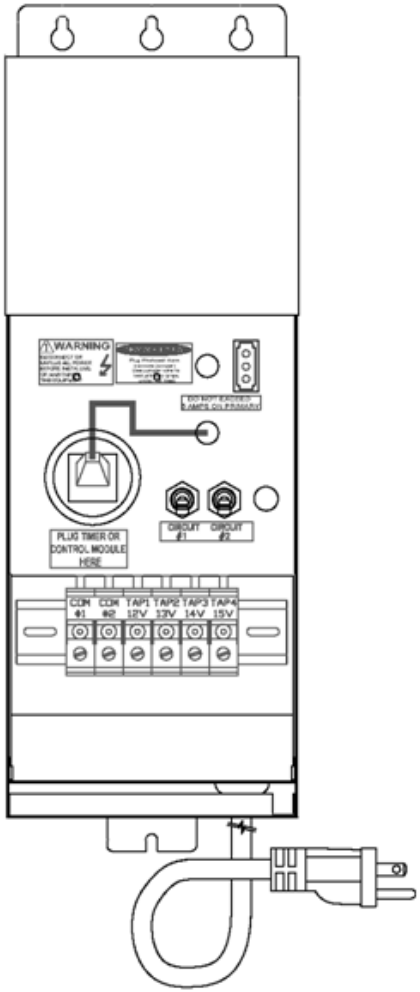
Input Voltage: **120V 60Hz**

EMCOD Lighting Group

www.emcod.com

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

Installation Instruction for



*** 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 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 two com. and 4 taps: 12V, 13V, 14V, 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 300W on any tap and on any com. For example: for 15V tap it's 300W divided by 15V = 20 Amps. 20 Amps. Multiply by 12V=240W, so your lights total wattage on 15V tap 240W 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.

Wattage	12 volt output				13 volt output				14 volt output				15 volt output			
	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG	14 AWG	12 AWG	10 AWG	8 AWG
50W	81	129	204.5	317	135.5	216	340	528	190	303	477	740	244	390	613	950
100W	40.6	65	102	158	68	108	170	264	95	151	238.5	370	122	195	307	475
150W	27	43	68	105	45	72	114	176	63	101	159	246	81	130	204.5	317
200W	20	32	51	79	34	54	85	132	47.4	75.5	120	185	61	97	153	237
250W	16.3	26	41	63.4	27	43.3	68.2	105.6	38	60.6	95.4	148	48.8	78	123	190
300W	13.5	21.6	34	52.8	22.6	36	56.8	88	31.6	50.5	79.5	123	40.6	65	102	158

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

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