**EMT150SS-E12&15V**

**Magnetic Non Dimmable MT**

Outdoor Stainless Steel Enclosure

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

Total Wattage: **150W 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




*** 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 @ $20^0$C; Distance in FT.

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