

**WARNING:** Disconnect main power at the source prior to installation! Only qualified electricians should install Alcon Lighting products. 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 110° F (50°C)

Use the keyholes bracket to mount transformer vertically with wire compartment pointing down.

### INPUT CONNECTION

This transformer is configured with a 6' line cord for easy input connection by plugging into 120V 60 Hz receptacle. The maximum input current at fully loaded transformer should not exceed 0.35Amps for 40W, .63Amps for 75W, 3Amps for 300W, and 5Amps for 600W.

### 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.

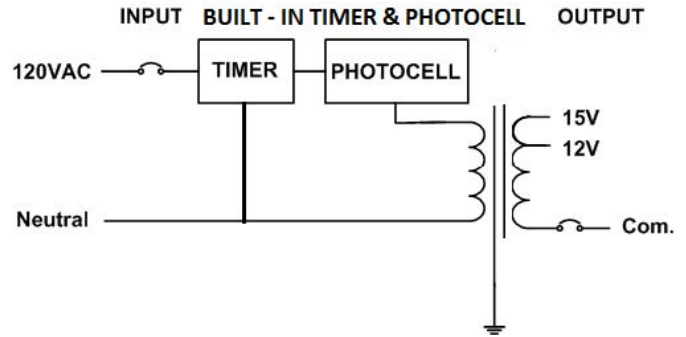
For example:

for 15V it's 40W divided by 15V=2.7Amps

2.7Amps multiplied by 12V=32W

so the light's total wattage on 15V tap is 32W max

Always connect your lights to 12V tap first, check voltage on the lights, move to higher tap if the voltage is less than 10.5V. We recommend max voltage of 11.5V. Make sure all your connections are very tight to avoid terminal block melting and wire burning.



### 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°C; Distance in FT.