



# TOKISTAR LIGHTING INSTRUCTION MANUAL

## T12-600

## 12 VOLT/600 WATT TRANSFORMER

### General

This transformer is to be installed in accordance with Article 450 of the National Electrical Code. The transformer must be installed in a well ventilated area free from explosive gases and vapors. Proper operation requires the free flow of air. Only a qualified electrician should install this hardwired transformer.

### Precautions Before Installing

Check the label and ensure the transformer has the proper input voltage, output voltage and wattage for the job. Check the wire markings to ensure they match the wiring diagram on this instruction sheet.

### Mounting

Select a suitable location capable of supporting the weight of the transformer. Use the two keyholes provided on the mounting flange. The transformer must be mounted vertically with the wiring compartment pointing down.

### Input Connections/Grounding

Remove the wiring compartment knockouts and install strain reliefs. With the power turned off, route the input wires through a strain relief and connect one wire to black and one to white. For all wire connections use only UL Listed wire nuts and connectors of suitable size and type.

The transformer **MUST** be grounded in accordance with the N.E.C. Connect the transformer green wire to ground.

### Output Connections

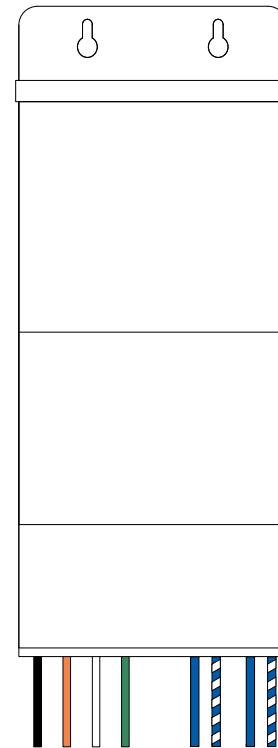
With all unused leads insulated, turn the power to the unit on. Check the secondary voltage to be sure it is right for the load. Turn power to the transformer off. Remove the wiring compartment knockouts and install strain reliefs for the lead wires from the lighting fixtures. Each set of lighting fixture leads should be routed through the strain relief and connected to the two sets of Blue and Striped Blue wires.

### Boost Tap

This transformer is equipped with an optional 10% boost tap which can compensate for voltage drop between the transformer and the lighting fixture. If the fixtures are receiving 21 Volts or less, we recommend you connect the boost tap. To use the boost tap, the input wires are connected to the orange and white wire instead of the black and white wire. Make certain the black wire is capped with a wire nut if you use the boost tap. Make certain the orange wire is capped with a wire nut if you do not use the boost tap.

### Transformer Data

INPUT VOLTAGE	120 VAC / 60Hz
OUTPUT VOLTAGE	12 VAC
CAPACITY (WATTS)	600 VA
INSTALLED BREAKER (s)	2 @ 25 Amps
WEIGHT	15 Pounds



**INPUT WIRES WITHOUT BOOST TAP:**  
Black & White

**INPUT WIRES WITH BOOST TAP:**  
Orange & White

**GROUND WIRE:** Green

**OUTPUT WIRES:**  
Blue & Striped Blue  
Blue & Striped Blue

## TOKISTAR LIGHTING

1015 E. DISCOVERY LANE ANAHEIM, CA 92801  
TEL: 714 772 7005 FAX: 714 772 7014  
E-mail: info@tokistar.com Web site: www.tokistar.com