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ART. NO.	T-300/120v	T-REMOTE TRANSFORMER
	T-300/277v	T-REMOTE TRANSFORMER

READ ALL OF THESE INSTALLATION INSTRUCTIONS BEFORE INSTALLING THE FIXTURE

WARNING: DO NOT ENERGIZE ELECTRICAL SUPPLY CIRCUIT TO TRANSFORMER(S) UNTIL ALL CONNECTIONS HAVE BEEN MADE AND TESTED IN ACCORDANCE WITH ALL APPLICABLE ELECTRIC CODES.

1. WARNING: If any special switches or control devices are used with this fixture, they must be connected to the primary (120V/277V Input) side of the transformer. Follow the instructions carefully to assure full compliance with NEC* requirements. If you have any question, contact a qualified Electrical contractor before installing. For dimming, use only dimmers designed for use with magnetic transformers. Thermally Protected Transformers Provide Built-in circuit protection to disconnect power if Transformer temperature becomes excessive. CAUTION: HIGH AMBIENT TEMPERATURE MAY CAUSE THIS INTERRUPTION TO OCCUR.
2. CAUTION: ALL ELECTRICAL CONNECTIONS MUST BE TIGHT TO PREVENT FIRE HAZARD AND SHOULD BE MADE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (FOR CLASS 1 WIRING SYSTEMS) AND ALL APPLICABLE LOCAL CODES.
3. CONFIRM TRANSFORMER CAPACITY:
   After the location, type and number of fixtures in determined, confirm your purchase of the correct Transformer for your installation. Multiply the total number of bulbs per circuit by their rated wattage. This will provide the minimum transformer output capacity in watts for that circuit and determine which wire gauge to use. More than one transformer may be required to power all the fixtures or to provide flexibility in switching.
   NOTE: Use # 10 wires for circuits of 240 watts or more.
4. SELECT THE WIRE:
   For **Fixture Wiring** (not included), use Copper based Stranded **# 10 gauge THHN or MTW** type wire. Flexible or non-flexible metallic conduit can be used, but is not required in most areas. Wire can be connected from the transformer directly to the Fixture or System. Additional connections can be made in a UL approved junction box. (Not included) See Fig. 3 & 4.
   NOTE: Wire lengths over 40 feet may result in reduced output voltage.
5. SELECT CONNECTORS:
   Choose UL listed strain relief connectors (not included) appropriate for the size & type of conduit or cable to be used for the **Transformer Supply** and **Fixture** feed Wires. Remove desired Knockouts from the transformer case, then install and secure the connectors (see Fig. 1).
6. MOUNT THE TRANSFORMER:
   (Fig. 2) Select an accessible transformer location away from heat sources such as ovens, furnaces, etc. Mount the transformer, with bottom cover removed, to a solid surface, that is thick enough to accommodate #10X3/4" long **Mounting Screws** (not supplied). Use appropriate fasteners for other mounting condition, i.e. nuts & bolts.

*NEC: National Electric Code.

7. CONNECT SUPPLY WIRES:

(Fig. 1 & 3) Strip Wire ends to 3/8", then insert strain relief connectors and **secure. Attach the Supply Ground Wire to the Transformer Ground Stud** with the **Hex-Lock nut**. Transformers (above 60 watts) have a Dual-Tap feature that provide a 12 volts output to maximize lamp life or a 12.6 volt output to compensate for long wire runs. For T-300 using wire nuts, connect the **white** supply wire to the transformer **white** wire **(COM)**. Then connect the **black** supply wire to the transformer **black** wire or to the transformer **yellow wire (BOOST)** depending on circuit length and wattage load.

8. Install fixtures (if not already in place) and connect **Fixture Wires** according to the instructions supplied with the fixtures.

9. CONNECT WIRES FROM FIXTURES:

(Fig. 3) On single circuit transformers up to 300 watts **(Model: T-300)**, connect the **Power Fixture Wire** to the **Terminal Block**.

10. Attach the **Transformer Cover** with the **Cover Screw** (see Fig. 1).

11. Energize the electrical supply circuit to transformer.

If a **Transformer Circuit Breaker** opens check the 12 volts circuit for obvious shorts or faulty connections. The breaker may also activate if the transformer is installed in a location with insufficient ventilation. Reset breaker after fault is corrected.

FIG.1

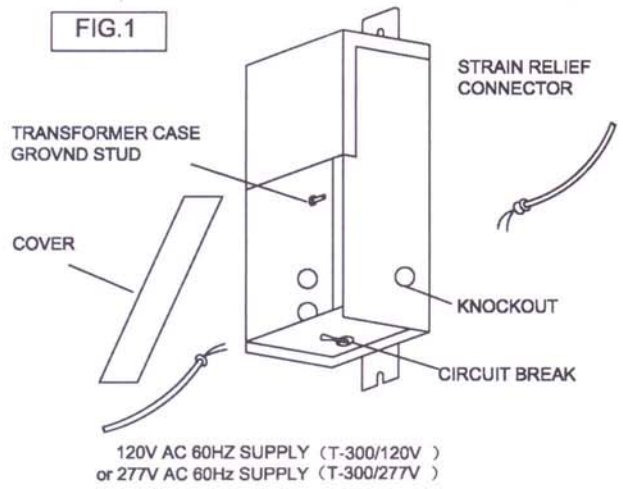

FIG.2

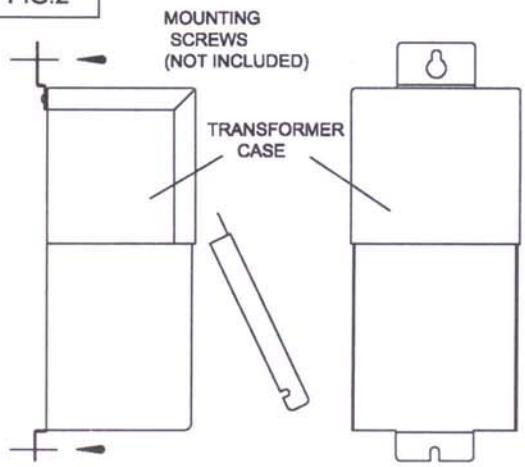

FIG.3