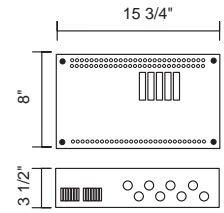


# INSTALLATION INSTRUCTIONS

## TECHNICAL

### TQ REMOTE TRANSFORMER

Art. No.	TQ-150/120v	white, 150W, 120v
	TQ-300/120v	white, 300W, 120v
	TQ-300/277v	white, 300W, 277v
	TQ-600/120v	white, 600W, 120v
	TQ-600/277v	white, 600W, 277v



**Step 1**  
 - Install housing with top up and in a level position. Remember that all Primary and Secondary wiring should be Class 1 per the National Electric Code. Use wire rated for atleast 90 C.

**Step 2**  
 - Add secondary circuit breaker or choke if needed. See instructions supplied with choke or breaker.

**Step 3**  
 - Connect Primary and Secondary wires per wiring diagrams. Make sure all connections are tight.

**Step 4**  
 - The power supply is to be installed so that it is not likely to be contacted by people.

**Step 5**  
 - The power supply is to be installed and serviced only by trained service personnel.

**Step 6**  
 - Install cover and tighten screw.

### NATIONAL ELECTRIC CODE - ARTICLE 411

Lighting Systems Operating at 30 volts or less

**411-1. SCOPE**

This article covers lighting systems operating at 30 volts or less and their associated components.

**411-2. LIGHTING SYSTEMS OPERATING AT 30 VOLTS OR LESS**

A lighting system consisting of an isolating power supply operating at 30 volts (42.4 Vpk) or less under any load condition, with one or more secondary circuits, each limited to 25 amperes maximum, supplying lighting fixtures and associated equipment identified for the use.

**411-3. LISTING REQUIRED**

Lighting Systems operating at 30 volts or less shall be listed for the purpose.

**411-4. LOCATIONS NOT PERMITTED**

Lighting systems operating at 30 volts or less shall not be installed (1) where concealed or extended through a building wall, unless using a wiring method specified in Chapter 3 or (2) within 10 ft. (3.05 m) of pools, spas, fountains, or similar locations, except at permitted by article 680.

**411-5. SECONDARY CIRCUITS**

(a) Grounding. Secondary circuits shall not be grounded

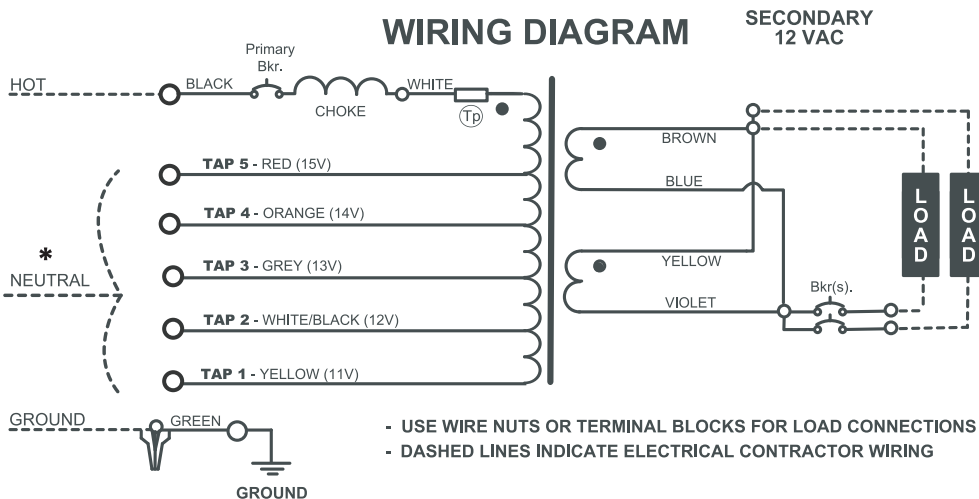
(b) Isolation. The secondary circuit shall be insulated from the branch circuit by an isolating transformer.

(c) Bare Conductors. Exposed bare conductors and current carrying parts shall be permitted. Bare conductors shall not be installed less than 7 ft. (2.2 m) above the floor, unless specifically listed for a lower installation height.

**411-6. BRANCH CIRCUIT**

Lighting systems operating at 30 volts or less shall be supplied from a maximum 20 ampere branch circuit.

## 12V WIRING DIAGRAM



- USE WIRE NUTS OR TERMINAL BLOCKS FOR LOAD CONNECTIONS  
 - DASHED LINES INDICATE ELECTRICAL CONTRACTOR WIRING

LISTED US 5F78  
 LOW VOLTAGE LIGHTING  
 POWER SUPPLY CENTER

- UL 2108 & 1598 LISTED
- SURFACE CEILING OR WALL MOUNT
- RECESSED WALL MOUNT TYPE IC
- SUITABLE FOR USE IN INSULATED SPACE - ZERO CLEARANCE
- SUITABLE FOR USE IN CLOSETS WITH CLOTHES IN DIRECT CONTACT
- INHERENTLY PROTECTED TYPE IC
- SUITABLE FOR INDOOR USE ONLY
- SUITABLE FOR DAMP LOCATIONS
- USE DIMMERS RATED FOR MAGNETIC LOW VOLTAGE LOAD
- COMPLIES WITH N.E.C. ARTICLE 411
- COMPLIES WITH UL STANDARD 2108
- ISOLATION TOROIDAL TRANSFORMER
- 50/60 CYCLE A.C. ONLY
- MADE IN THE U.S.A.

	Nomina
Tap1	11V
Tap2	12V
Tap3	13V
Tap4	14V
Tap5	15V