

MAINTENANCE, OPERATING AND INSTALLATION INSTRUCTIONS CONTROL TRANSFORMERS

1. GENERAL:

Your transformer is designed for safe, cool, and quiet operation for a long time with minimum maintenance, provided certain guidelines are observed during installation.

Warning - DANGER: Power must be off before working inside a transformer.

2. INSPECTION UPON RECEIPT:

Upon receipt of transformers, check them against the shipping list. If any damage is discovered, file a claim immediately with the carrier.

3. HANDLING:

Never attempt to lift a transformer from any points on the unit.

4. STORAGE:

Transformers which are not installed and energized immediately should be stored in a dry clean space having a uniform temperature to prevent condensation.

5. INSTALLATION:

- Ventilation: Provide adequate and unrestricted room for air ventilation.
- Location: Install in a dry, clean, accessible area and where it can be cooled by means of air circulation where the average ambient temperature is 30 °C during 24 hour period and a maximum ambient of 40 °C at any time.
- Sound Level: Transformer noise is an inherent characteristic and can not be completely eliminated.
- Mounting brackets: Transformer has integral bracket for installation in an upright (horizontal) or vertical position.

CAUTION - Installation should be performed only by experienced and qualified personnel.

5.1 Connections: Refer to the nameplate or the enclosed connection diagram for the primary and secondary voltages, tap arrangements, phases, and ratings at each tap. Do not make any connections other than those shown on the diagrams supplied. To ensure good electrical connections, the torque value is recommended 10 in-lb.

CAUTION - Before energizing, check all connections for tightness to ensure good electrical connections. To prevent damage to the load, the output voltage on all terminals should be checked to insure that it agrees with the nameplate information and load ratings prior to connecting the load.

5.2. Grounding: Please follow the local electrical codes for grounding the transformer.



6. OPERATION: To maintain safe operating conditions, please keep minimum clearance of 6" from any adjacent wall. The transformer is designed to operate continuously at their full nameplate VA rating.

7. MAINTENANCE:

7.1 Inspection: Inspection should be made at regular intervals:

- a) - Dirt accumulation on insulating surface or restricting air flow.
- b) - Loose connections.
- c) - Signs of overheating and of voltage creepage over insulating surfaces as evidenced by tracking or carbonization.

7.2 Cleaning: To permit free air circulation and to guard against the possibility of insulation breakdowns, dirt should be removed. The windings may be cleaned with a vacuum cleaner, a blower, or with dry compressed air.

8. Warranty: Manufacturer warrants to its customers that the products delivered conform to the specifications and are free from defects in material and workmanship for a period of one year. For additional detail, consult factory or visit website.