

# TRANSFORMER ENCLOSURE BOX – WET LOCATION

## Installation

1. Locate transformer box in an accessible, damp, or wet location and securely fasten in place (see additional requirements below if placed in wet location).
2. Locate transformer box upright to prevent water from directly entering louvers. Do not place transformer box in a location where it is subject to standing water or flooding. In an event, place a minimum of 12" (305 mm) above a flat surface subject to standing water.
3. When installed in all outdoor damp and wet locations, drill a minimum of two drain holes in bottom. Hole size (diameter) minimum 0.25" (6 mm) to maximum 0.5" (13 mm). Elevate transformer 0.5" (13 mm) from bottom of box.
4. Securely fasten transformer to bottom of transformer box. Heat dissipation may be increased if bottom and one side of transformer is mounted in direct contact with bottom and side of transformer box. If possible, do so while maintaining minimum spacing requirements (see minimum spacing chart below).
5. Secure lid with enclosed sheet metal screws. Use as short a screw as possible in order to maintain proper spacing requirements. Do not leave cover off of transformer box. Do not leave any knockouts open. If a knockout is removed and not used, place a cap intended for the purpose of unused holes.
6. Ensure transformer and transformer box are properly connected to ground. Connect ground wire with ring terminal (supplied) to transformer ground terminal. Tighten securely. Now connect incoming primary ground wire to ground post on transformer box. Tighten securely.
7. Make sure no metal shavings are left in box.

## Minimum spacing chart

Voltage rating of transformer	Min. spacing between high volt parts and ground parts	Min. spacings between live primary parts and ground
15,000V	1.5" (38.1 mm)	0.75" (19 mm)
12,000V		
10,500V		
9,000V	1.125" (28.8 mm)	
7,500V		
6,000V		

\* Based on midpoint-ground transformers.

### Customer service and technical support

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