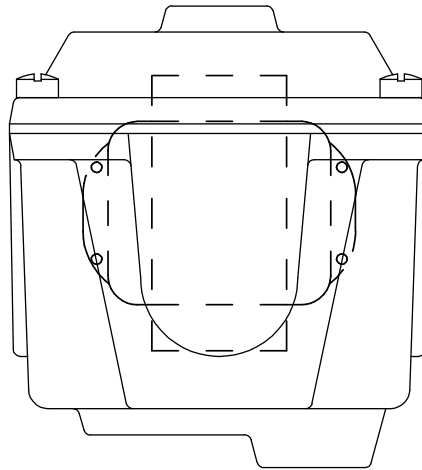




100 CRAFTWAY PO BOX 128
LITTLESTOWN, PA 17340
PHONE (717) 359-7131 FAX (717) 359-9515

INSTALLATION INSTRUCTIONS INGROUND TRANSFORMER BOX TB100-12



READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING THIS BOX.

HADCO's TB100-12 transformer box has been designed to utilize HADCO's low voltage fixtures, and must be installed in accordance with the National Electrical Code and local code specifications. Failure to adhere to these codes and instructions may result in serious injury and/or damage to the fixture, voiding HADCO's warranty. These instructions cover most installation applications. For any special applications not covered, contact HADCO for assistance.

EXCAVATION

Excavate soil for transformer box and conduit runs. Contour the hole to the shape of the box, allowing an additional 3" min. around and under the box for placement of granular material.

DRAINAGE

Transformer box housing should be surrounded by a 3" min. layer of sand or gravel to insure proper drainage. For concrete pour installations, the housing is to be placed on a 4" min. bed of gravel, with soil below. It is recommended that boxes not be placed in low locations where water could accumulate and stand for long periods of time. When installing boxes, hilling up earth around the box will promote good water run-off and prevent debris accumulation.

CONNECTIONS

Make sure power is OFF before installing or servicing this box. Loosen screws and remove the transformer box lid. Note: To prevent moisture from entering the transformer box, coat the threads of the fixture stem, conduit openings, and adaptor (if supplied) with a high grade sealant before tightening the fittings. Connect the conduit to the box and tighten to 45 ft-lbs max. Thread the leads of the fixture through the 1/2" NPT hole in the lid. Screw the fixture swivel, or stem, into the hole and tighten. Connect the fixture wires to the 12V wires from the transformer. Connect the supply wires to the 120V wires of the transformer (connectors not supplied). Contractor must pull a ground wire and connect it to the green ground screw in the box. To further prevent water entry into the box, conduit entries inside the box must be sealed and potted. Use #4442A 3M High Gel Reenterable Encapsulant (#MA1, available from HADCO) or equivalent. Failure to do so will void warranty. Arrange the wires to be sure they are not pinched when the lid is attached. Clean all gasket surfaces before lid is replaced. Dirt in the holes must be blown clear or cleared with a 1/4-20 tap. Install the gasket between the lid and box. Insert screws through lid and into the housing and tighten using an alternating torque sequence of 20-30 inch-lbs. Box is now ready for back-fill. Turn power on. Do not exceed lamp wattage listed on the fixture label.

CAUTION

Transformer box should not be installed in insulating materials such as bark or vermiculite, etc., for the full depth of the box, but surface use of these materials is acceptable.

Regularly check lid and keep it cleared of debris (mulch, leaves, etc.) as it could cause a fire.