

# INSTALLATION MANUAL SUPPLEMENT FOR TUTCO DUCT HEATERS FOR OUTDOOR APPLICATIONS

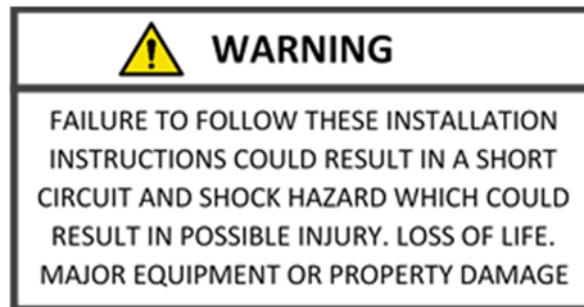
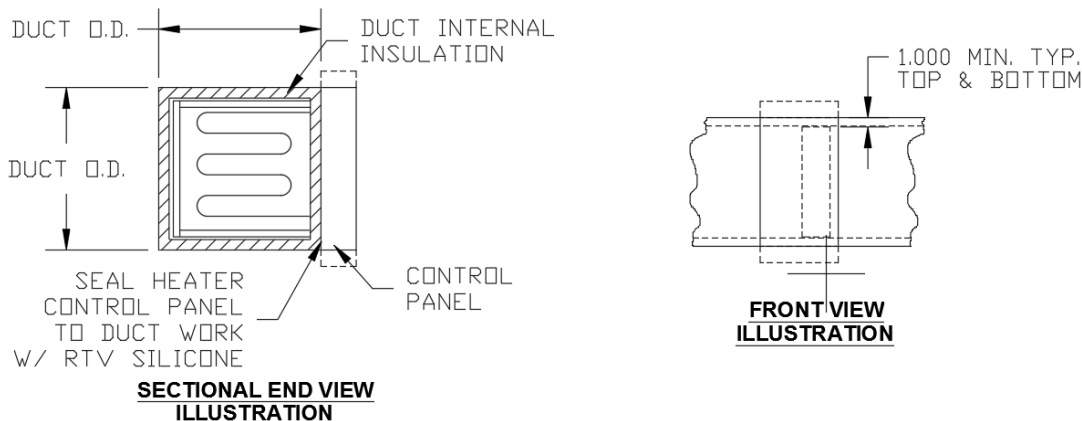
These instructions are to be used in conjunction with the standard Tutco "Installation Manual" for Tutco D-Series duct heaters P/N 06-4141-00 or the general "Installation Instructions" for Tutco E-Series duct heaters P/N 06-7121-00 for heaters that are designed for and will be used in an outdoor installation.

In addition to the special installation details specified in this installation instructions supplement, all of the installation details that are specified in the standard Tutco "Installation Manual" for Tutco D-Series duct heaters P/N 06-4141-00 or the general "Installation Instructions" for Tutco E-Series duct heaters P/N 06-7121-00 must be followed. These heaters are designed and rated for slip in applications only.

**Physical Installation:** The connection of the heater to the duct must be sealed with an RTV silicone/rubber material (GE 112, DOW 736, or DOW 738) to be watertight. Apply a bead of an approved RTV between the Duct Heater Control Panel and the Duct on all mating surfaces and around all of the mounting screw holes. Also apply the approved RTV to the threads of 1/4" sheet metal screws before using them to install the heater to the duct. Heater insert cutout should leave a minimum of 1" of sheet metal above and below the cutout.

**Electrical Installation:** All conduit connections must be made with UL listed Rain Tight Hubs. All conduit connections in the side of the control panel require a tee and drain leg to keep water from entering the control panel. All conduit connections in the bottom of the control panel need to use conduit sealer and have a drip loop to keep water and moisture from entering the conduit and or control panel. Absolutely no conduit connections can be made in the top of the control panel. All conduit must be liquid tight rated.

**Required Maintenance:** The connection to the duct work and all conduit connections must be checked periodically to ensure that no water is getting into the control panel or element area of the duct work.



## TUTCO

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