
Transaction Drawer™ Heater

Installation Manual

P/N 00623011

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Transaction Drawer Heater Installation Instructions

An optional heater is available, Part # 00552991. Please note that the purpose of this heater is to insure proper operation of the drawer in very cold climates not for creature comfort of the operators. The heat tape is thermostatically controlled. It will automatically come on at 40° F and shut off when the temperature rises above this. The heater is rated 115 volts ac, 60 hertz and draws less than 1 amp.

The optional heater is installed inside the drawer. Before beginning the installation in the interest of safety the drive-up lane should be blocked from service so that no one will hit the drawer while it is being serviced. After this has been accomplished send the drawer to its most fully extended position.

To install the optional heater kit requires access to the inside of the drawer.

Access to the inside of the drawer is through the back (Fig. 1). There are three screws on the face and two on the bottom that hold the back panel in place. The electronic controls are attached to the back panel under a watertight housing. There are wires from this housing that connect to the motor and the bottom of the drawer. After removing the screws, tilt the bottom of the back panel out until the watertight housing clears the motor, then drop it down to clear the lip of the top panel. The panel can then be rotated 180° and secured with two of the screws back to the bottom of the drawer. This position will prevent excessive strain on the leads and components. Reverse this procedure to reinstall the back panel. **CAUTION - READ THE SECTION IN THE TD MANUAL ON SERVICING THE ELECTRICAL CONTROLS BEFORE REMOVING THE WATERTIGHT HOUSING.**

The heat tape is secured to an aluminum frame. The aluminum frame is secured inside the drawer with two 1/4-20 studs that are provided. The heater fits on the bottom, left of the motor, as you are looking from the inside to the outside.

There are nuts installed on the heater studs. Begin by removing the rear nut on the rear stud. Place heater bracket over stud and on top of nut at the outer left stud of the front bearing mount and over stud at rear. Install bracket so the cord of the heat tape is at the rear of the drawer. Replace nut on rear stud and install nut supplied with heater kit onto stud at front bearing mount.

Cut the plug from the heat tape flush with the plug. Leaving the maximum amount of cord. The AC power wires for the drawer pass through the shell of the drawer via a Raco brand cord grip P/N 3701-2 for .250"-.375" cables. There is a gasket washer to seal the cord grip to the shell. It will next be necessary to disconnect the AC power from the drawer. Remove the lid from the handibox on the bottom of the drawer. Disconnect the wiring to the drawer pigtail leads. Remove the upper cord grip nut. Slide the upper nut, washer and rubber bushing off of the pigtail. Remove this original cord grip and install a Raco brand cord grip P/N 3701-5 for .375"-.500" cables. Note that this new cord grip is supplied with the kit. The cord grip should be installed from the inside of the drawer utilizing the same gasket washer and nut that was on the original cord grip. The gasket washer should be between the cord grip and the drawer shell.

Feed both the heater cord and the pigtail thru the new larger upper nut, washer and rubber bushing. Tighten the grip snugly but do not over tighten which could pinch the insulation of the wires. Insure that the heater cord does not get the way of any moving parts. Reconnect the drawer AC power connections including the heater wires. Note that the center wire of the heater cable is the ground. Either outer wire can be connected to the hot or neutral. Replace the handi-box cover. Reinstall the drawer back. Test the drawer for proper operation.

Figure 1

