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ELECTRIC DUCT HEATER

MAINTENANCE AND SERVICE INSTRUCTIONS

Warren electric duct heaters are constructed in such a manner that requires little or no maintenance, including parts supplied with your heater.

Always make sure all connections are tight before heater is turned on.

Be sure element is free of dirt and foreign matter.

Units greater than 50 KW should be controlled by a system with a recycling feature that will not allow all steps to be energized simultaneously. The absence of such a device causes severe damage to the equipment.

The use of discharge air sensing devices to control this heating unit is not factory recommended and may void the warranty.

Even though your heater requires no periodic maintenance check, if your heater is not functioning properly, the following are some points to check:

1. Check installation instructions and wiring diagrams to make sure heater was wired and installed properly.
2. Check all connection points and make sure they are **all** tight.
3. Fuses . . . One of the most common problems. Check to see they are not blown.
4. Automatic hi-limit or manual reset – temperature may be too high because airflow is insufficient.
5. Air filter may be clogged.
6. Is sufficient airflow “even” over coils?
7. Check for transformers and control voltage flow.
8. Make sure that the thermostat is operating properly and current flow is to heater, both control and power voltage.
9. When air pressure switches are used, they must have the proper airflow. Sensing tube should be curved toward the airflow.
10. Internal insulation may be interfering with safety device.

The above are the most common problems. Other problems may be caused by accessories or related items.

(Individual pages of this catalog may be ordered from the factory)