



## **INSTALLATION AND MAINTENANCE INSTRUCTIONS**

**FOR**

### **ENGINEERED AIR HYDRONIC HEATING AND COOLING EQUIPMENT**

#### **FINNED TUBE RADIATION (All Styles)**

No maintenance is required other than to vacuum out dust from the heating element annually.

Note: Care must be taken not to deform the fins during cleaning.

#### **CABINET UNIT HEATERS (All Models)**

Mount cabinet unit heaters securely in the required orientation. Pipe the supply and return and/or steam and condensate connections using good piping practice. Isolation valves and unions can facilitate maintenance and replacement. Provide for expansion and contraction of piping. Refer to project installation details and requirements if any. Connect power wire to motor using factory mounted junction box. All power supply and control wiring to this unit must be installed in accordance with the latest edition of the Canadian Electrical Code, Part 1 – C.S.A. Standard C22.1, Provincial and Local Codes and in accordance with the local authorities having jurisdiction or the National Electrical Code (ANSI/NFPA 70), state and local codes and in accordance with the local authorities having jurisdiction. Consult project requirements for controls.

No maintenance is required other than to clean the coil fins annually and occasional motor lubrication. Motors are permanently lubricated and should require not maintenance for 5,000 hours. Should a motor require lubrication, only S.A.E. 20 oil should be used. Filters will be supplied with these units. If so, these should be cleaned or replace each heating season.

Note: During any work on these units, care should be taken not to damage the aluminum fins.

#### **UNIT HEATERS**

##### **(Vertical and Horizontal Models)**

Suspend unit heaters securely with allowance for maintenance and removal. Pipe the supply and return or steam and condensate connections using good piping practice. Isolation valves and unions can facilitate maintenance and replacement. Provide for expansion and contraction of piping. Refer to project installation details and requirements if any. Connect power wire to motor using factory mounted junction box. All power supply and control wiring to this unit must be installed in accordance with the latest edition of the Canadian Electrical Code, Part 1 – C.S.A. Standard C22.1, Provincial and Local Codes and in accordance with the local authorities having jurisdiction or the National Electrical Code (ANSI/NFPA 70), state and local codes and in accordance with the local authorities having jurisdiction. Consult project requirements for controls.

No maintenance is required other than to clean the coil fins annually and occasional motor lubrication. Motors are permanently lubricated and should require no maintenance for 5,000 hours. Should a motor require lubrication, only S.A.E. 20 oil should be used. In dirty areas, such as welding shops, periodic inspections and cleaning of heating coils and fan blades should be made.

Note: During any work on these units, care must be taken not to damage the aluminum fins.

**ALWAYS DISCONNECT ELECTRICAL SERVICES WHEN WORKING ON ANY EQUIPMENT.**