

INSTALLATION AND OPERATING INSTRUCTIONS FPQ/3310 SERIES

1. LOCATION OF HEATER

- A. Heater is mounted on the wall near ceiling or floor, air flow down. **CAUTION:** Do not obstruct the front grille of the heater with curtains, furniture, etc., since the proper operation of the heater requires a free flow intake and exhaust of air.
- B. Minimum mounting height is 8" above finished floor.
- C. For surface mounting use adapter FPQA/3310EX33

2. BEFORE MOUNTING

- A. Insure that the supply voltage matches voltage rating on the label of the heater.
- B. Turn off electrical power to heater circuit.

3. MOUNTING INSTRUCTIONS

- A. Disassemble heater by removing 7 screws "C" as shown in Fig 1 and 2.
- B. Flush mounting, See Fig. 1.
Place rough-in box "A" between studs at desired height; secure to studs through holes "M". The flanges on the rough-in box must rest on the surface of the finished wall, allowance must be made for the wall thickness.
- C. Surface mounting, See Fig. 2.
Insert rough-in box "A" into surface adapter "E". Secure the heater rough-in box to wall at desired height through holes "X". Be sure that the rough in box is centered in surface adapter. For surface mounting, bring wiring through bottom knockout "K" only.
- D. Place assembly "B" into rough-in box "A". Secure with six screws "C".

4. WIRING INSTRUCTIONS REF: DIAGRAMS WD1, WD2, WD3, WD4

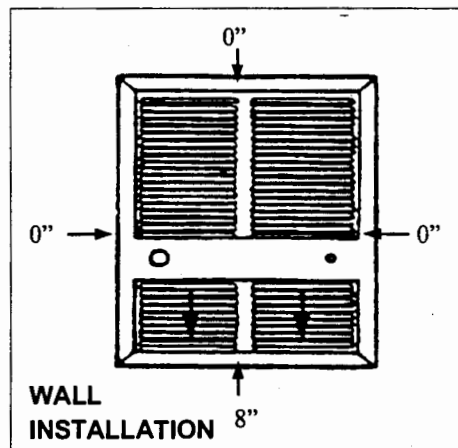
- A. Bring service leads through knockouts "K" on top or bottom of rough-in box for flush mounting or bottom knockout "K" only for surface mounting. When wiring from the bottom, install wire through cover "G" by removing screw "H".
- B. Attach service leads to two black leads on 208-240 volt models and to black and white leads on 120-277 volt models, attach ground lead to green wire with approved connectors. Comply with all national and local codes.
- C. Attach wiring compartment cover "D" to assembly with screw "C".

5. FINAL STEPS

- A. Clean all construction dirt and debris from inside heater.
- B. Attach front grille "F" with four screws "L". A parts bag containing the cover screws and the thermostat knob is located inside of heater.
- C. Attach thermostat knob "T".

6. OPERATING INSTRUCTIONS

- A. Turn on power at the circuit breaker panel.
- B. If there are two controls on the front grille of the heater; the one on your left "T" is the thermostat control and should be set to the position to give the desired comfort heat in the room. The switch on your right is the mode selection switch. Two modes of heating operation are available: **CONSTANT:** Fan runs continuously while thermostat cycles heating elements on and off as required by setting; and **AUTO:** Fan and heating elements cycle on and off simultaneously on thermostat control. The fan can be operated separately to circulate room temperature air by turning thermostat to its lowest setting and placing fan selector switch in the "CONSTANT" position.



7. CLEANING AND MAINTENANCE INSTRUCTIONS

- A. At the beginning of each heating season, disconnect electrical power at circuit breaker panel. Remove front grille.
- B. Use the narrow (crevice) suction attachment of the vacuum cleaner to remove dust and lint from heater and heating element.
- C. Lubricate the motor with SAE No. 10 oil. Two (2) oil spouts are located on front and back of motor.
- D. Reinstall front grille with previously removed screws. Restore power to the heater.

FIG.1 Flush Mounted

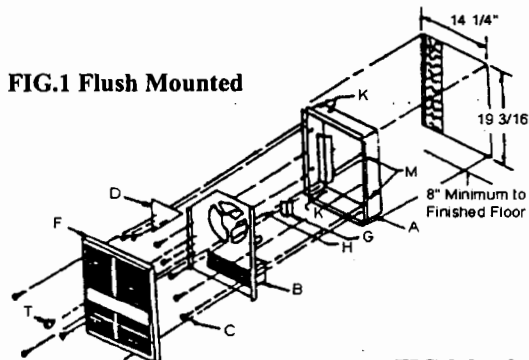


FIG.2 Surface Mounted

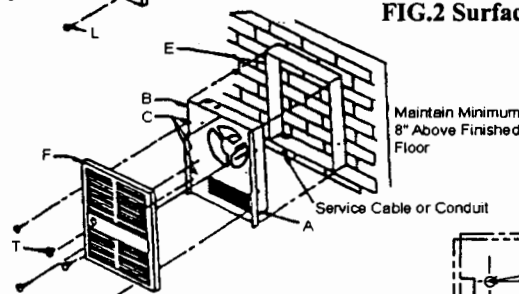
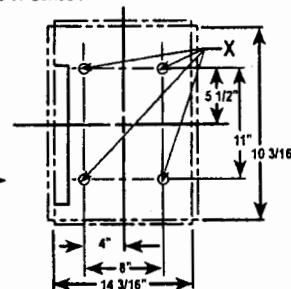


FIG.3 Location of rough-in
Box Mounting Holes



NOTE:

This heater employs a visual alarm (light) to warn that parts of the heater are getting excessively hot. If the alarm illuminates, immediately disconnect power from heater and inspect for any objects on or adjacent to the heater that may cause high temperatures.

DO NOT OPERATE HEATER WITH THE ALARM (LIGHT) ILLUMINATED.



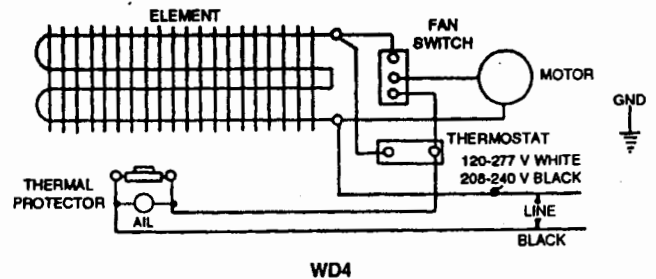
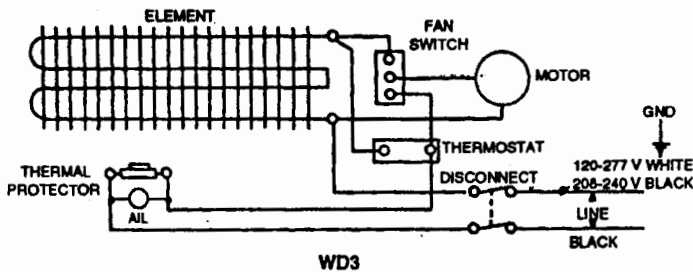
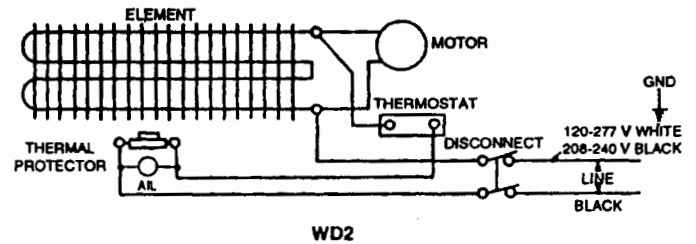
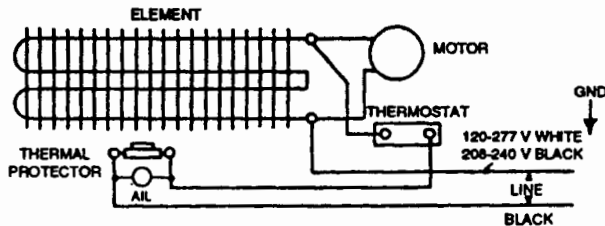
P.O. Box 4973, CRS
Johnson City, TN. 37602-4973

Corporation

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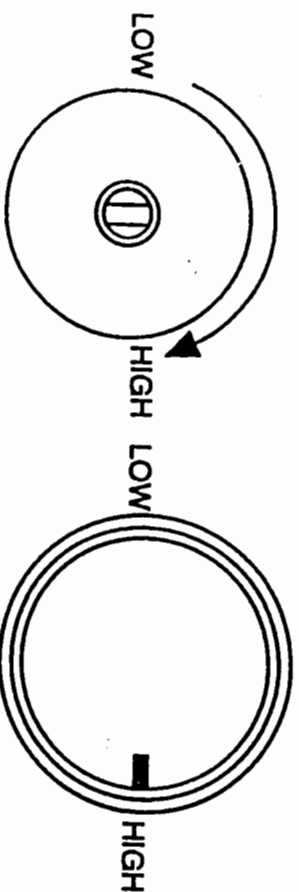
| SYMPTOM | POSSIBLE FAULT(S) | REMEDY |
|----------------------------------|--|--|
| Heater Does Not Operate | 1. Electric Circuit Open | 1. A. Close electric circuit. B. Verify correct supply voltage. C. Adjust thermostat to higher setting. |
| | 2. Defective Thermostat | 2. Check continuity with an ohm meter. Replace defective part if necessary. |
| | 3. Thermal Cut Out Open (Alarm Light On) | 3. A. Remove any obstruction from front of heater. B. Verify correct supply voltages. |
| Heat On But Fan Does Not Operate | 1. Fan Motor Failure | 1. A. Verify correct supply voltage. B. Check motor wiring connections. C. Replace defective motor if necessary. |



WD-1 FPQ/3310
WD-2 FPQ/3310 WITH DISCONNECT
WD-3 FPQ/3310 FAN SWITCH AND DISCONNECT
WD-4 FPQ/3310 WITH FAN SWITCH
AIL = ALARM INDICATOR LIGHT

TO INSTALL THERMOSTAT KNOB

1. Rotate thermostat shaft clockwise as far as possible.
2. Align knob indicator mark with HIGH and push on shaft.

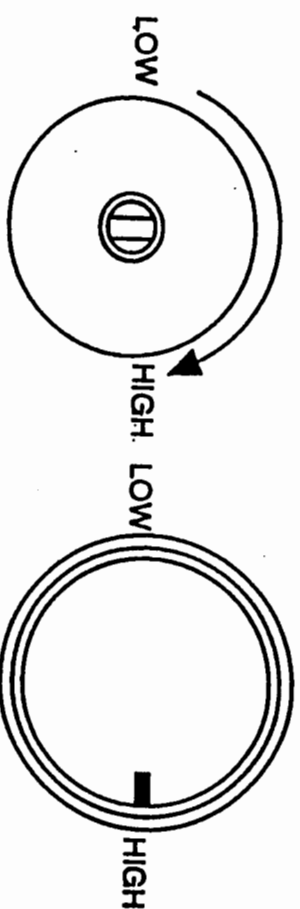


TAMPER-RESISTANT THERMOSTAT

1. Install thermostat knob per above.
2. Adjust to desired temperature.
This may require operating the heater for some time.
3. Replace thermostat knob with enclosed plug button. Further adjustment of the thermostat may be accomplished by removing the front panel

INSTALLATION DU BOUTON DU THERMOSTAT

1. Tourner l'axe du thermostat dans le sens horaire, le plus loin possible.
2. Aligner l'indicateur du bouton avec l'indication "HIGH" et le pousser sur l'axe.



THERMOSTAT PROTÉGÉ CONTRE LE VANDALISME

1. Installer le bouton du thermostat tel que ci-dessus mentionné.
2. Adjuster à la température désirée. Ceci peut exiger le fonctionnement de la chaufferette pour une certaine période.
3. Remplacer le bouton du thermostat par le capuchon ci-inclus. On peut refaire des ajustements au thermostat en enlevant le panneau du devant.