

# OPERATION

## A.) VENTILATION

### **RISK OF INDOOR AIR POLLUTION / USE HEATER ONLY IN WELL VENTILATED AREAS.**

Provide a fresh air opening of at least three square feet (2,800 sq. cm) for each 100,000 BTU/Hr. rating. Provide extra fresh air if more heaters are being used.

Example: A DFA-210CV heater requires one of the following:

- a two-car garage door raised six inches (15.24 cm)
- a single-car garage door raised nine inches (22.86 cm)
- two, thirty-inch (76.20 cm) windows raised fifteen inches (38.1 cm)

## B.) OPERATION

### **TO START HEATER**

1. Fill fuel tank with kerosene or No. 1 fuel oil.
2. Attach fuel cap.
3. Plug power cord of heater into three-prong, grounded extension cord. Extension cord must be at least six feet long. Extension Cord Wire Size Requirements
  - 6 to 10 feet (1.8 to 3 meters) long, use 18 AWG conductor.
  - 11 to 100 feet (3.4 to 30.5 meters) long, use 16 AWG conductor.
  - 101 to 200 feet (30.8 to 61 meters) long, use 14 AWG conductor.
4. Turn "THERMOSTAT CONTROL Knob" to desired setting (Setting range : 40°F ~ 110°F) (DFA-75T/DFA-125C/DFA-170CV/DFA-210CV Models Only)
5. Push "BTU control Switch" to desired level "High or LOW" (DFA-170CV/DFA-210CV Models only, See Figure 8).
6. Push Power Switch to "ON" position, Power Indicator Lamp will light and heater will start.

### **NOTE: Room Temperature display explanations are as follows: (DFA-125C/DFA-170CV/210CV Models only)**

**When the room temperature is less 0°, the LED display will show "Lo"**

**When room temp is between 0° and 99°, the number shown on the display is the current room temperature.**

When room temperature is greater than 99°, the LED display will show "Hi"

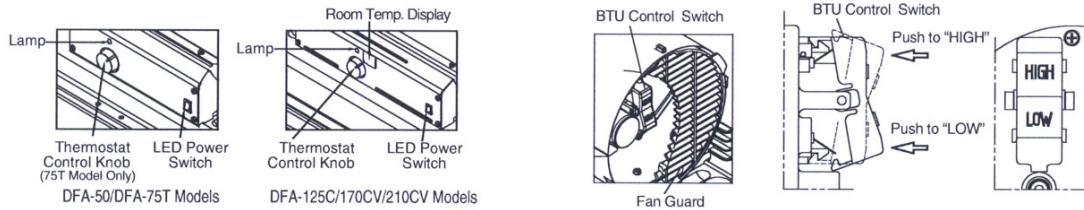
If heater does not start, the thermostat setting may be too low, turn "thermostat Control Knob" to higher position to start heater. If heater still does not start, turn power switch to "OFF" and then to "ON" position.

**NOTE:** User can Select to operate the heater on two different BTU levels (High or Low) on select models. The BTU level can be selected before turning the unit on, or while it is in operation by pushing the BTU control switch.

**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**

This document is for reference purposes and not intended to replace your owner's manual. It is important to read your owner's manual in its entirety which has been designed to instruct you as to the proper manner in which to assemble the heater, maintain the heater, store the heater, and most importantly, how to operate the heater in a safe and efficient manner

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Controls for All Models

**NOTICE:** The major electrical components of this heater are protected by a safety fuse mounted to the PCB board.

If your heater fails to start, check this fuse first and replace as necessary. You should also check your power source to insure that proper voltage and frequency are being supplied to the heater.

## TO STOP HEATER

1. Turn switch to “OFF” and unplug power cord.

## TO RESTART HEATER

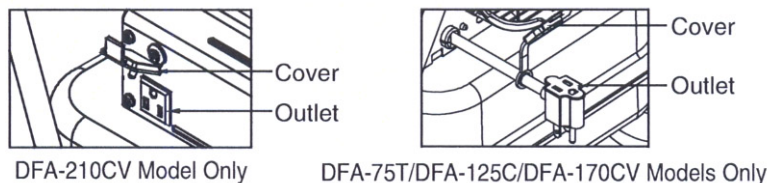
1. Wait 10 seconds after stopping heater.
2. Repeat steps under to start heater.

## EXTRA ELECTRIC OUTLET & PIGGYBACK POWER CORD

**WARNING: SHOCK HAZARD!**



- Always cover electric outlet when not in use.
- Don't plug and use an appliance more than 120V/60Hz 5A current in this outlet.



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