



Model # IDF500 Frost Fighter

Start Up Instructions

1. Check that the operating switch on the unit is in the "OFF" position before plugging the supply cord into a 115 V AC outlet.
2. Turn main gas valves to the open position
3. Place operating switch to "MANUAL" position. This will start the unit.
4. If using a thermostat, the operating switch should be placed to "THERM" position. Set Thermostat to desired room temperature.
5. Red LED light on ignition controller will come on for 1 second
6. Burner fan motor will start, unit will pre-purge for 45 seconds
7. Spark ignitor will energize for 4 seconds, gas solenoid valves will open during 4 second TFI (trial for ignition) The unit has three trials for ignition before lockout.
8. Burner lights, ignitor stops, and flame current is sensed by ignition controller.
9. When heat exchanger reaches temperature the fan switch will start the supply fan.

Shut Down Procedure

1. Place the operation switch into the "OFF" position.
2. Turn gas supply manual inlet valve to OFF position.
3. Allow the heater to perform its post purge cooldown cycle

DO NOT DISCONNECT THE ELECTRICAL SUPPLY UNTIL THE MAIN FAN MOTOR HAS CYCLED OFF FROM COOLING THE HEAT EXCHANGER