

COMBUSTION AIR FURNACE OPTION

Combustion air units are different than the regular models 300 and 350 as combustion air is provided by a forced air fan to feed the fire instead of the door mounted draft control air supply.

With the combustion air models, the combustion air is provided by a fan located inside a larger fan box enclosure. The combustion air fan is controlled by a wall mounted thermostat located at the owners desired location.

OPERATING INSTRUCTIONS

Combustion air furnaces are constructed of the same materials as the other furnaces in this manual. The only difference is a larger fan cover enclosure required to enclose the added fan and electrical components. A thermostat and t-stat wire is provided and is shipped inside the return air intake duct with the power cord. Unlike the furnace door mounted thermostat assembly, the combustion air model uses an indoor thermostat installation.

Locate the provided thermostat at any desired location inside the home where the thermostat wire can be installed without being extremely noticeable.

Most installers run the t-stat wire inside the return air duct and exit at a location near a wall and run to the t-stat location. The thermostat is already tied into the fan assembly. Insert the t-stat wire to the wall mounted thermostat by connecting the two wires to the two wires on the t-stat. (**Color does not matter**)

TEMPERATURE ADJUSTMENT

Set thermostat to a high temperature, allow the c/a fan to begin to operate, ignite fuel, allow several minutes for the fire to start burning. It will take several minutes burning time before the furnace fan comes on. Once the room is comfortable, adjust the thermostat to a setting just above the comfort zone. To shut the system down, turn the thermostat dial beyond the lowest temperature.

HELPFUL HINTS

- When loading your furnace, keep the loading door closed as much as possible. With the door open and windy conditions are present, it is possible for small amounts of smoke to be blown back into the combustion air chute and may be pulled into the fan system and enters the living area. If this condition is undesirable, you may leave the thermostat turned up allowing the combustion air fan running thus not allowing any smoke to back up through the fan.
- Never leave your furnace doors open unattended as sparks may be blown out the loading door causing a fire.
- Try not to allow ashes to accumulate above the rear fire brick as they may be pushed into the discharge opening restricting air flow to the fire.
- It is difficult to hear the combustion air fan running when the main blower is running, and the temperature may rise for a few minutes until the thermostat is satisfied. If it gets too warm, lower the



thermostat slightly to allow the fan to cycle. To shut the combustion air fan off completely, simply turn the thermostat dial all the way to the lowest setting. The fan will remain off until the thermostat is reset to the desired setting.

In the event of a power failure, the combustion air fan shuts down cutting off the oxygen to the fire causing it to go out. If the power comes back on within a couple of hours, the combustion air fan will start and shortly the main blower system should come back on. Keep furnace doors closed.