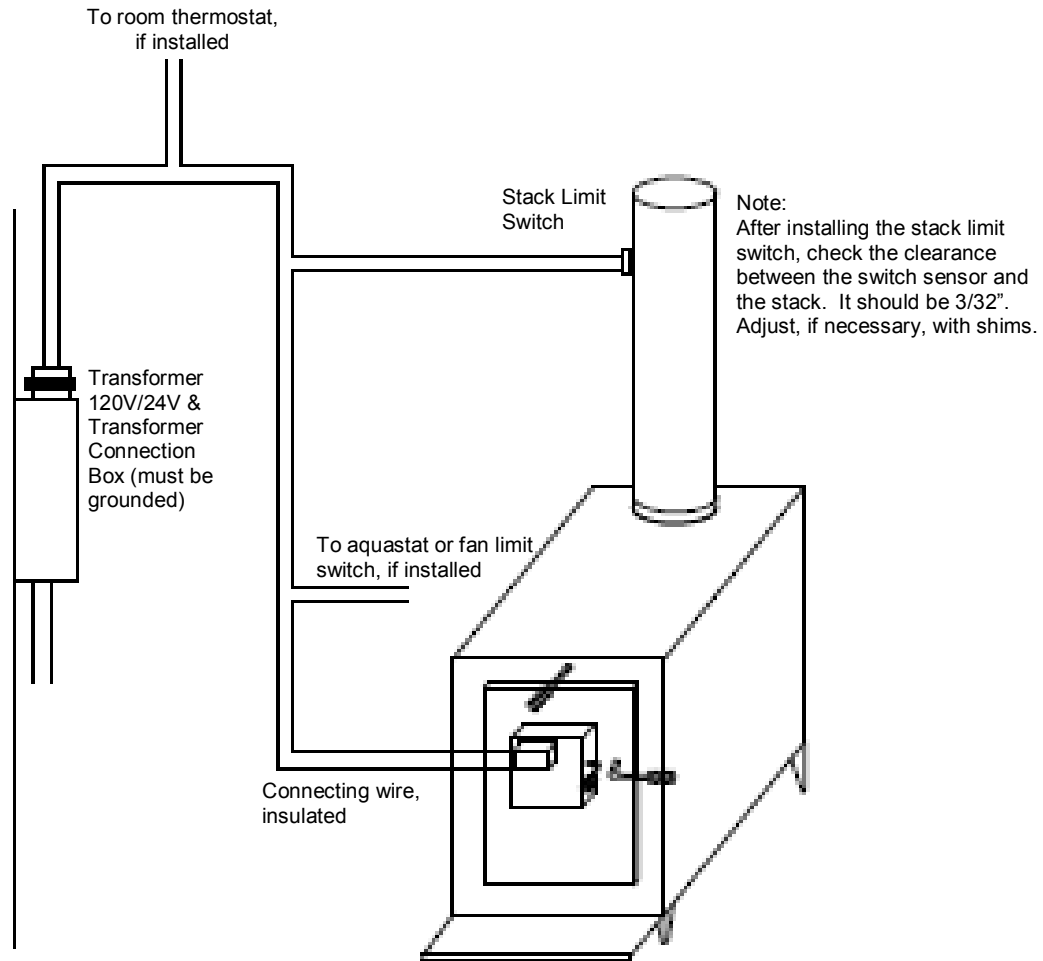


Thermo-Control[®]

The ultimate wood burning system.

The Motorized Damper Control

In this system, an electric motor controls the combustion air damper. The air damper stays open as long as the motor has power applied to it. It closes and shuts off the combustion air supply when the power is interrupted by some means. Connected in series with the motor is the room thermostat (not provided), stack limit switch, and aquastat or limit switch.



Installation of Motorized Combustion Air Control

When the living space requires heat (either the room thermostat or the aquastat), the motor keeps the combustion air damper open for the entry of combustion air. When the heat demand is met, the power supply is interrupted, causing the motor to close the combustion air damper.

The stack limit switch is a safety device which cuts off combustion air if the stove is burning too hot. This switch will override the room thermostat or aquastat and shut off the motor, even if the room heat demand is not met.