



LENNOX
HEARTH PRODUCTS

ADDENDUM INSTALLATION AND OPERATION MANUAL

Brand: Whitfield™ & Traditions™

Date: 10/08/01

Models: Profile 20 FS, Profile 30 Series & T300P Series Addendum #PH021

The following revisions affect Installation and Operation Manual, part # 20922000, Rev. E (August 2001 or earlier). Manuals with a revision date of 10/01 (Oct. 2001) or later have these revisions. Note: Manuals with form numbers 775023M and 775025M have these revisions. The manual revision and date are printed on the front cover page.

REVISION EXPLANATION:

The control board programming starting with *Version 1.11* control board (see note below) has been improved to allow for calibration capabilities of the combustion air trim as well as adjustment for the initial fuel feed delivery (first dump during start-up). This design change will assist in fine tuning the air delivery to compensate for variations in venting configurations, fuel (BTU value / composition), elevation and other variables which may affect the amount of combustion air needed.

* Note: The Ver. 1.11 control board replaces Ver. 1.01, Rev. B control boards.

OWNERS MANUAL REVISION

The following replaces *Pellet Feed Trim* and *Note* on page 23

CALIBRATION MODE – Located behind the swing down door at the bottom of the control panel is a button labeled “Calibration.” Pressing the Calibration button enters the controller into “Calibration Mode,” where adjustments of up to +/- 20% (increments of 5%) can be made to the fuel feed and the combustion blower.

FUEL FEED TRIM – The size and density of pellet fuels varies widely among pellet manufacturers and has an impact on the fuel feed rates of your pellet stove. Pressing the Calibration button will enter the controller into calibration mode, indicated by the illumination of an LED labeled “Calib.” Pressing the Calibration button for the first time will initiate the Fuel Feed Trim, where one red “Heat” LED will illuminate to indicate the current trim status (factory set at ‘0’). The fuel feed rate may now be increased by pressing the “Heat” button and decreased by pressing the “Blower” button. Each increment from the ‘0’ position is +/- 5%, with a total trim range of +/- 20%. To exit calibration mode without adjusting the combustion air (see COMBUSTION AIR TRIM below), press the Calibration button two times. The new fuel feed setting will remain in memory and can only be changed by repeating the above procedures.

* It is important to note that changing the fuel feed trim WILL affect the time of the initial fuel feed dump during start-up. The start-up fuel dump is factory set at 1 minute and 50 seconds. Each incremental change in the fuel feed trim changes the start-up time by +/- 6 seconds.

COMBUSTION AIR TRIM – Pressing the Calibration button for the second time will initiate the Combustion Air Trim, where one yellow “Blower” LED will illuminate to indicate the current trim status (factory set at ‘0’). The combustion air flow may be increased by pressing the “Heat” button and decreased by pressing the

“Blower” button. Each increment from the ‘0’ position is +/- 5%, with a total trim range of +/- 20%. Press the Calibration button for a third time to store the settings into memory and exit calibration mode. The new combustion air trim settings will remain in memory and can only be changed by repeating the above procedures.

NOTE – It is recommended that the damper be used to fine-tune your stove to your particular fuel and installation configuration, (see pages 9 and 10). It is recommended that you contact your Authorized Dealer before adjusting the Fuel Feed Trim or the Combustion Air Trim.

Version 1.11 Control Board Diagram

