



HEARTH & HOME technologies™

CONTROL BOX REPLACEMENT INSTRUCTIONS

PART:

SRV7058-188

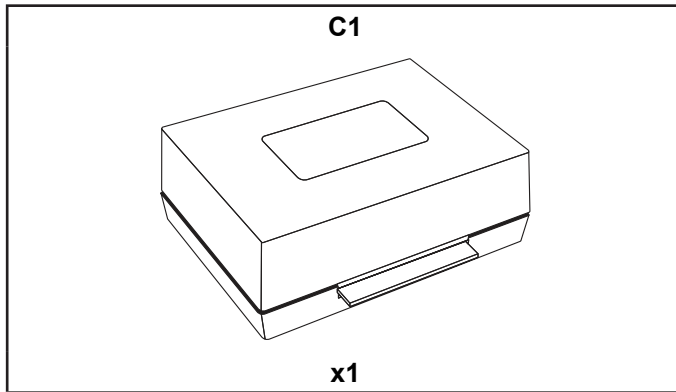
FOR PELLET APPLIANCES:

CAB50

PS35

PS50

Included in Kit:



Tools Required:

Flat Head Screwdriver

Included in kit:

Quantity one (1) Control Box (C1).

A - Model Selection Switch

1. Select the correct model setting.

You will need to set the control box to the proper setting for each individual model. Refer to the **Table 1** below to determine the setting for your installation.

Proper Shutdown Procedure



CAUTION

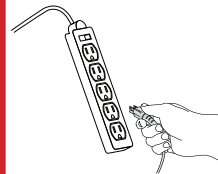


Shock and Smoke Hazard

- Turn down thermostat, let appliance completely cool and exhaust blower must be off. Now you can unplug appliance for servicing.
- Smoke spillage into room can occur if appliance is not cool before unplugging.
- Risk of shock if appliance not unplugged before servicing appliance.



CAUTION



Unplug appliance before servicing.
Damage to control box can occur.

Model Selection Switch Settings

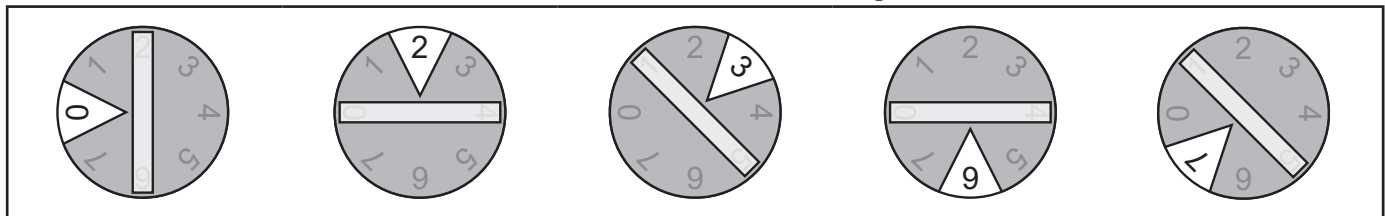


Table 1

B - Model Selection Blue Blinking Light

2. Confirm selection with blinking light.

After installing the control box you will need to confirm the model selection by observing the blue blinking light (**Figure 1**) and verify that it is blinking the correct amount of times for that setting from the **Table 2** below.

NOTE: When you plug in the appliance the blue light will automatically start blinking and will go off after 1 minute.

Model Selection Switch is shown with the cover off. Insert flat head screwdriver and rotate cover to expose desired setting number (**Figure 1**).

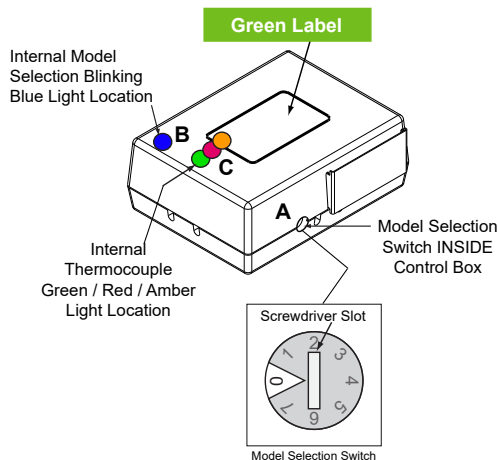


Figure 1

3-Speed Control Box Settings (Green label)

Settings	0	2	3	6	7
Action	Steady on 4 of 10 seconds for the first 60 seconds after power up	2 blinks every 10 seconds for the first 60 seconds after power up	3 blinks every 10 seconds for the first 60 seconds after power up	6 blinks every 10 seconds for the first 60 seconds after power up	7 blinks every 10 seconds for the first 60 seconds after power up
Model	Diagnostic	PS50 CAB50	PS50 +10% CAB50 +10%	PS35 -10%	PS35

Table 2

3. Verify operation of appliance.

Verify flame height and performance and that the appliance is functioning properly.

C - Thermocouple Light

The internal light will turn green when the thermocouple has reached 200°F and the same light will turn red when it reaches 600°F.

The thermocouple light will turn an amber color and flash 3 times, pauses and then repeats this process. This indicates there is a problem with the thermocouple. Please check the circuit and replace the thermocouple if necessary.

NOTICE: The following settings can ONLY be performed by an authorized dealer or a service technician.

Diagnostic Mode - Setting #0

This setting performs a self-test on the appliance. In order for some of the components to turn on, you must first **unplug the appliance** and then jump the vacuum switch and the #1 snap disc before beginning the test.

Select diagnostic setting. **Plug in the appliance.** The following components will each turn on sequentially and run for 10 seconds:

- Combustion Blower
- Igniter
- Feed Motor
- Convection Blower

When testing is complete:

1. **Unplug the appliance** and set the model selection switch back to the appliance setting.

2. Re-connect the vacuum switch and #1 snap disc.
3. **Plug in the appliance** and confirm the model selection by observing the blue blinking light and verify that it is blinking correctly for that setting.

* +10% Setting Definition - Setting #3

There will be times that the feed rate needs to be increased. This is usually due to low density fuel. If this situation occurs, use the +10% setting. This setting increases only the fuel feed rate. It does not affect the combustion or convection blower speeds.

* -10% Setting Definition - Setting #6

In the event the feed rate of the PS35 is too high and needs to be decreased it can be done by switching to setting 6. This setting decreases only the fuel feed rate. It does not affect the combustion or convection blower speeds.