

P7 X.5 CONTROLLER TEMP-CONTROL PROGRAM SETTING STEPS MANUAL

P7 X.5 Controller is designed for Pit boss Series 3/4/5/7 Vertical Pellet Smoker Control board replacement, it has 4 built-in program versions(3.5, 4.5, 5.5, 7.0) for Series 3/4/5/7

Vertical Pellet Smoker respectively. You can use it as normal by simply selecting a corresponding program version in line with the Vertical Pellet Smoker Model you own.

1. Panel Keys Illustration



- (1): F/C Button
- (2): Power Button
- (3): Rotary Knob

2. Setting Steps

- (1) Press and hold the F/C Button when it is not energized;
- (2) Energize the unit;
- (3) Release the F/C button;
- (4) Press the Power Button to enter the Program Version Setting Mode;
- (5) Select a program version for your smoker
 - <1> Rotate the Knob onto SMOKE: Display shows the current program version P-3, P-4, P-5 or P-7(for

Series 3/4/5/7 Vertical Pellet Smoker respectively);



- <2> Rotate the Knob onto 150°, display shows C-3 for 3-Series Vertical Pellet Smoker ;



<3> Rotate the Knob onto 175°, display shows C-4 for 4-Series Vertical Pellet Smoker;



<4> Rotate the Knob onto 200°, display shows C-5 for 5-Series Vertical Pellet Smoker;



<5> Rotate the Knob onto 225°, display shows C-7 for 7-Series Vertical Pellet Smoker.



<6> Rotate the Knob onto other degrees, display shows"- - -", indicating that it cannot be selected;

(6) After selecting the right version for your pellet Smoker, press the F/C Button to confirm, the corresponding version will be displayed as "P-3, P-4, P-5 or P-7", indicating that the setting is done;

(7) Disconnect the power source to exit the Program Version Setting Mode;

(8) Energize the unit, the pellet smoker can be used as normal.

3.Shut Down

Do not cut the power supply right after you done use. **Cool down program** will be running in order to prevent cases such as fuel pipe scorched, ash stacking in burn pot and hopper backfire. This process will usually last 15 mins.

4.TROUBLESHOOTING

Problem	Cause	Solution
No Power Lights On The Control Board	Power Button	Press the Power Button. Try another attempt and hold for two seconds to verify connection.

	Not Connected To Power Source, GFCI Outlet Has Tripped	Ensure smoker is plugged into a working power source. Reset breaker. Ensure GFCI is a minimum 10 Amp service. Ensure all wire connections are firmly connected and dry.
	Fuse Blown On The Control Board	Remove cooking components from the main smoke cabinet. Turn the unit onto its side, and remove the screws on the rear side of the Control Board. Check the fuse for a broken wire or if the transparent fuse tubing has turned black. If yes, manually replace with a new fuse.
	Faulty Control Board	Control Board needs to be replaced. Contact Customer Service for a replacement part.

Fire In Burn Pot Will Not Light	Auger Not Primed	Before the unit is used for the first time or anytime the hopper is completely emptied out, the auger must be primed to allow pellets to fill the burn pot. If not primed, the igniter will timeout before the pellets ignite. Follow Hopper Priming Procedure.
	Auger Motor Is Jammed	Remove cooking components from the main smoke cabinet. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the auger feed system. Visually confirm that the auger is dropping pellets into the burn pot. If not operating properly, call Customer Service for assistance or a replacement part.
	Igniter Failure	Remove cooking components from the main smoke cabinet. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the igniter. Visually confirm that the igniter is working by placing your hand above the burn pot and feeling for heat. Visually confirm that the igniter is protruding approximately 13mm / 0.5 inches in the burn pot. If not operating properly, follow Manual Start-up Procedure to continue use of smoker; however, call

		Customer Service for assistance or a replacement part.
Flashing Dots On LED Screen	The Igniter Is On	This is not an error that effects the unit. Used to show that the unit has power and is in Start-Up mode (igniter is on). The igniter will turn off after five minutes. Once the flashing dots disappear, the unit will begin to adjust to the desired temperature selected.
Flashing Temperature On LED Screen	Smoker Temperature Is Below 65°C /150°F	This is not an error that effects the unit; however, it is used to show that there is some risk that the fire could go out
"ErH" Error Code	The Smoker Has Overheated, Possibly Due To Grease Fire Or Excess Fuel.	Press and hold the Power Button to turn the unit off. Once cooled, press the Power Button to turn the unit on, then select desired temperature. If error code still displayed, contact Customer Service
"Err" Error Code	Temperature Probe Wire Not Making Connection	Access the electrical components on the base of the unit and check for any damage to the Temperature Probe wires. Ensure Temperature Probe spade connectors are firmly connected, and connected correctly, to the Control Board.
"ErL" Error Code	Ignition failure	The pellets in hopper is insufficient,or the igniting rod is abnormal.
"noP" Error Code	Bad Connection At Connection Port	Disconnect meat probe from connection port on the Control Board, and reconnect. Ensure the meat probe adapter is firmly connected. Check for signs of damage to the adapter end. If still failed, call

		Customer Service for replacement part.
	Meat Probe Damaged	Check for signs of damage to the wires of the meat probe. If damaged, call Customer Service for replacement part.
	Faulty Control Board	Control Board needs to be replaced. Contact Customer Service for a replacement part.
Thermometer Shows Temperature When Unit Off	Smoker Has High Ambient Temperature Or Is In Direct Sun	This will not harm the smoker. The internal temperature of the main cabinet has ambiently reached or exceeded 54°C / 130°F. Move the smoker into a shaded area. Prop the cabinet door open to reduce the internal temperature.

Smoker Will Not Achieve Or Maintain Stable Temperature	Insufficient Air Flow Through Burn Pot	Check burn pot for ash build-up or obstructions. Follow Care and Maintenance instructions for ash build-up. Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty. Check auger motor to confirm operation, and ensure there is no blockage in the auger tube. Once all the above steps have been done, start the smoker, set temperature to SMOKE and wait for 10 minutes. Check that the flame produced is bright and vibrant.
	Lack Of Fuel, Poor Fuel Quality, Obstruction In Feed System	Check hopper to check that fuel level is sufficient, and replenish if low. Should the quality of wood pellets be poor, or the length of the pellets too long, this may cause an obstruction in the feed system. Remove pellets and follow Care and Maintenance instructions.
	Temperature Probe	Check status of temperature probe. Follow Care and Maintenance instructions if dirty. Contact Customer Service for a replacement part if damaged.
Smoker Produces	Grease Build-Up	Follow Care and Maintenance instructions.

Excess Or Discolored Smoke	Wood Pellet Quality	Remove moist wood pellets from hopper. Follow Care and Maintenance instructions to clean out. Replace with dry wood pellets
	Burn Pot Is Blocked C	Clear burn pot of moist wood pellets. Follow Hopper Priming Procedure.
	Insufficient Air Intake For Fan	Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty.

5. Included Components

1 Control Board, 1 Ambient Probe, 1 Ignition Rod, 2 Meat Probes, 2 Probe Stands, 2 Numbered Tags.