

Quick Reference Guide for the Integra Pellet Stove

Eprom Reference

Eprom #	Combustion Mtr		Auger On Time		Convection Mtr	
	Min.	Max.	Min	Max	Min.	Max.
2.3	34 V	48V	0.6 sec	3.9 sec	53 V	101 V
2.4	32 V	46 V	0.6 sec	3.9 sec	60 V	101 V
2.5	34 V	50 V	0.6 sec	3.9 sec	60 V	101 V
2.5A	34 V	50 V	0.6 sec	3.9 sec	60 V	101 V
3.1	40 V	52 V	0.6 sec	3.9 sec	60 V	101 V
3.1A	40 V	52 V	0.6 sec	3.9 sec	60 V	101 V
3.2A	40 V	52 V	0.6 sec	3.9 sec	60 V	101 V

Note: All Voltages listed above are AC +/- 10%.

User Control Board Specifications

Air Feed Potentiometer 2.5 V DC => Adjust Clockwise to Increase Comb.Mtr Feed
 Auger Feed Potentiometer 2.5 V DC => Adjust Clockwise to Increase Auger Mtr Feed
 Hall IC Test Point 5 V DC

Air Sensor Test

Bypass the low limit switch, adjust the User Control Board to the Minimum Position, wait 1 minute, then open the stove door. Comb. Mtr. should speed up and auger should stop. *-Light goes out*
Close door after 30-45 seconds - feeding begins

Low Limit Switch

Normally Open => Closes at 120° F => Power = 5 V DC *Combustion Blower slows to normal.*
 Switch is tested by the Main Control Board after 15 min. in startup mode.

High Limit Switch

Normally Closed => Opens at 250° F => Power = 120 V AC
 Switch controls power to Auger Mtr in the event of overheating of the stove.
Red Light on User Control Board blinks even when the high limit switch is open: Auger Mtr is OFF

Self Ignitor

Power = 120 V AC => On for 10 minutes in the Startup Cycle.
 Ignitor should glow cherry red within 1 minute.
 Eprom 3.1 and higher required => Bumpot with slot on left side groove required.
 Heating Element should have a resistance of 65 ohms +/- 10%.

Terminal Block Wiring Assignments

To:	Color	Color	From
Fuse	Black	Black	Power Cord
Wiring Harness	Grey	Black	Convection Fan
Wiring Harness	Orange	Blue	Combustion Fan
High Limit Switch	Yellow	Black	Auger Motor
Wiring Harness	Black	4-Black	Auger, Conv., Comb, Fuse
Wiring Harness	Red	White	Power Cord
Wiring Harness	Blue	Brown	Thermostat or Jumper
Wiring Harness	Brown	Brown	Thermostat or Jumper

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