

Harman

- 1 Blink - Self_diag Failed
- 2 Blinks - Micro Switch - No Contact (old stoves)
- 2 Blinks - Lack of draft (PF100)
 - Door/lid is open
 - Pressure switch is open
 - Flue blockage
- 3 Blinks - ESP out of range
 - (perform a manual reset)
 - Test/Replace ESP Probe
- 4 Blinks - Room Sensing Probe failed
 - (Aquastat miscommunication for Boilers)
 - (only in Room Temp Mode)
 - Probe Disconnected or Bad
 - May be bad Thermostat or Wiring
 - (Will not start in "AUTO" with this error)
- 5 Blinks - Failed Ignition (Auto Mode Only)
 - Bad Igniter
 - Vac Switch
 - Airflow
 - Pellets not feeding
- 6 Blinks - Incomplete combustion
 - (for more than 25 minutes)
 - Out of pellets?
- 7 Blinks - Boiler Overheat (HydroFlex60/PB105)
 - Safety Shutdown (220 Degrees F)
- * Manual reset:
 - disconnect power and reconnect.

KOSI

- 2 Blinks - VAC
- 3 Blinks - POF

Quadrafire

- 3 Speed Board Settings
 - 0 Diagnostics
 - 1 1200 FS/I
 - 2 +10% feed 1200
 - 3 Not Used
 - 4 Castile & Contour FS/I
 - 5 +10% feed Castile & Contour
 - 6 SantaFe FS/I
 - 7 +10% feed SantaFe FS/I
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- Green Light @ 200f
- Red Light @ 600f
- Amber Light T-Cpl Failure

Pellet Stove Trouble Codes

Breckwell

- #2 - Loss of Negative Pressure
- Inadequate Airflow Due to Leaky Gasket(s)
- Dirty Stove / Exhaust
- #3 - POF Failure
- Hi-Temp or POF Thermodisc Shutdown
- Damper open too far

Country

- Ready Solid / Igniter 2 Short
- Ignition Failure
-
- Ready 2 Short
- POF
- Ready 1 Short / 1 Long
- VAC
- Ready 2 Long
- OverTemp

England

- E1 - Vacuum Loss
- Exhaust Blower
- Blocked Flue
- Vacuum Hose/Switch
- Loose Wiring
-
- E2 - Failure to Start
- Igniter Plugged / Out of position
- Heat Sensor Connection -
- (Air-on-Temp should be set to 1)
- Wet Fuel / Low or No Fuel
- E3 - Overtemp Limit
- Dirty Stove
- Plugged room fan
- Wrong Mode...
- 25-PDVC 55-SHP10 SHP10L TRP10:
- USE 'D' MODE
- E4 - Time/Temp Fault
- Pellets Bridging in Hopper
- Lack of Fuel
- Fuel Feed Gap

St. Croix ~~_____~~ #4 BLINK HEAT OR COMB. FAN

- 2 Blinks - VAC
- 3 Blinks - POF
- 2 & 3 Blinks - High Limit
-
- Auger Trim low setting #1 & #5 Inc feed .25 sec
- Draft Trim light up heat setting
- Once = -5v to Comb Blower
- Twice = -5v more to Comb Blower

VOLUME SIXT EIGHT THREE...

Once the heater has cooled down, you can reactivate the high-limit switch by depressing the manual reset button located on the high-limit switch.

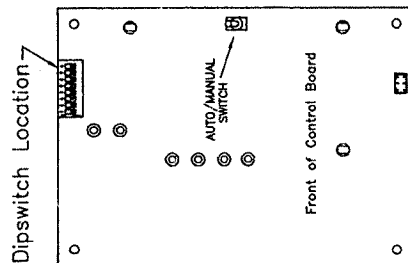
6. When the Pellets in the Burn Pot fail to ignite HEAT LEVEL LED's 1 & 5 will flash red.

1

Microprocessor Control Board
Dipswitch settings
For 120VAC 60 Hz

UPDATED January 30, 2017
PART # 3-89-677402

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(Diagnostic Display Monitor)

CONTROL BOARD PART #	WHERE USED	REVISION RELEASE DATE
3-20-05886F	Pellet Stoves: Adds 2 blink status for pressure switch.	June 2016
3-20-05887B	PC 45 corn/pellet stove	Dec. 2010
3-20-05888D	PF 100, BA 100, BIO120 PF120 (hot air furnace)	July 2013
3-20-05889A	DVC direct vent coal stoker	May 2008
3-20-06142E	P61 manual, Super-Mag Stoker, P38	Dec. 2010
3-20-06143D	PB105, BH105, PB105 INTL, HF60, BH60, HF60 INTL (boilers)	Dec. 2010

Finned Cartridge Ignition		Pressure Ignition		Manual Ignition	
<div>3-20-05886F</div> <div>Accentra/Advance</div> <div></div>	<div>3-20-05886F</div> <div>XXV/P35i</div> <div></div>	<div>3-20-05888D</div> <div>PF100 (6RPM)</div> <div></div>	<div>3-20-06143D</div> <div>PB105/BH105 (10RPM)</div> <div></div>	<div>3-20-05887B</div> <div>PC45 (Pellet -2 Feedr)</div> <div></div>	<div>3-20-06142E</div> <div>SUPER MAG</div> <div></div>
<div>3-20-05886F</div> <div>P61A</div> <div></div>	<div>3-20-05886F</div> <div>P43</div> <div></div>	<div>3-20-05888D</div> <div>BI0120</div> <div></div>	<div>3-20-06143D</div> <div>PF100/BA100 (10RPM)</div> <div></div>	<div>3-20-05887B</div> <div>PC45 (CORN -2 Feedr)</div> <div></div>	<div>3-20-06142E</div> <div>P38</div> <div></div>
<div>3-20-05886F</div> <div>Accentra Insert</div> <div></div>	<div>3-20-05886F</div> <div>P68 UL Feedr (6RPM)</div> <div></div>	<div>3-20-05888F</div> <div>HF60/BH60 (6RPM)</div> <div></div>	<div>3-20-06143D</div> <div>PC45 (Corn/Pellet UL Feedr)</div> <div></div>	<div>3-20-05887B</div> <div>P61</div> <div></div>	<div>3-20-06142E</div> <div>P81</div> <div></div>
<div>3-20-05886F</div> <div>Accentra52i Insert</div> <div></div>	<div>3-20-05886F</div> <div>P68 -2 Feedr (4RPM)</div> <div></div>	<div>3-20-06143D</div> <div>PB105 INTL (10RPM)</div> <div></div>	<div>3-20-06143D</div> <div>HF60 INTL (6RPM)</div> <div></div>	<div>3-20-05889A</div> <div>DVC 500</div> <div></div>	

NOTE: A connected DDM (Diagnostic Display Monitor) on power up will show an OFF as 0, and an ON as 1.

Dipswitch # 1.2.3 control the ignition cycle "charge" (quantity of pellets augered into the burn pot on startup).*

Dipswitch # 4 factory set OFF for power failure shutdown with in line (short term battery back-up, UPS) *

Dipswitch # 5 is for ESP type. ON for a red ESP. OFF for a black, white, or yellow ESP.

Dipswitch # 6 is for Room Sensor Differential. "ON" reduces the Diff. by 1 deg. F.

Dipswitch # 6 is for BOILERS. "ON" when using atmospheric kit or high altitude installation. *

Dipswitch # 7,8 set the MAX ESP temperature for specific models. (Set as shown above.)

(NOTE: Be sure that all of these switch settings are set for the unit in which they are being installed)

Dipswitch 1,2,3	
on,on,on	= program +85 sec.
on,on,off	= program +64 sec.
on,off,on	= program +43 sec.
on,off,off	= program +21 sec.
off,off,off	= program default
off,off,on	= program -21 sec.
off,on,off	= program -43 sec.
off,on,on	= program -64 sec.

