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
- 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

- El 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 BUNK HUM OK CONS. 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



ounject.

UUULUYG UKT GITUI WUW...

Safety Features and warning code:

1. Your heater is equipped with a temperature "high-limit" switch, designed to shutdown the auger in case of an over temperature situation.

The high-limit switch is a thermo snap disc type and must be manually reset in the event of an overheat shutdown.

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.

- 2. When the High-Limit switch opens, which indicates an overheat failure, the HEAT LEVEL LED's 3 & 4 will flash red.
- 3. Your heater is equipped with a vacuum switch that automatically shuts down the auger in the event of a exhaust fan malfunction.
- 4. When a Vacuum Error is sensed, the HEAT LEVEL LED's 1 & 2 will flash red. Check to ensure the glass door is latched properly.
- 5. When the Low-Limit switch opens, (fire went out) the HEAT LEVEL LED's 4 & 5 will flash red. First check fuel supply, then check to ensure Auger is not jammed and finally that pellet hopper door is properly closed.
- 6. When the Pellets in the Burn Pot fail to ignite HEAT LEVEL LED's 1 & 5 will flash red.

Thanks, Barry

Hearth & Home Technologies	Technologies	CONTROL BOARD PART #		WHERE USED			REVISION RELEASE DATE
Microprocessor Control Board	ol Board	3-20-05886F	Pellet Stove	s: Adds 2 blink stat	Pellet Stoves: Adds 2 blink status for pressure switch.	ch.	June 2016
Dipswitch settings For 120VAC 60 Hz		3-20-05887B	PC 45 cor	corn/pellet stove			Dec. 2010
		3-20-058880	PF 100, BA	PF 100, BA 100, BIO120 PF120 (hot air furnace)	(hot air furnace)		July 2013
		3-20-05889A	DVC direct	DVC direct vent coal stoker			May 2008
UPDATED January 30, 2017	, 2017	3-20-06142E	P61 manua	P61 manual, Super-Mag Stoker,	, P38	AND TO SERVICE STATE	Dec. 2010
PART # 3-89-677402 File: [harmonfs1\data\audacadawings\EECTRICA\3-89-677402.4wg)2 \ELECTRICAL\3-89-677402.dwg	3-20-06143D	PB105, BH1	05, PB105 INTL, HF	PB105, BH105, PB105 INTL, HF60, BH60, HF60 INTL (boilers)	(boilers)	Dec. 2010
	4	Finned Cartridge Ignition		Pressure	Ignition		Manual Ignition
Ulpswitch Location 7	3-20-05886F		3-20-058880	r	3-20-061430	3-20-058878	3-20-06142E
o manarad o	2 4 5 6 7 8	2 3 4 5 6 7 8 6 7					
0	Accentra/Advance	XXV/P35i	PF100 (BRPM)	PF120	PB105/BH105 (10RPM)	PC45 (Pellet -2 Feedr)	c) SUPER MAG
	3-20-05886F \$1 2 3 4 5 6 7 8 B B B B B B B B	3-20-05886F 3 81 2 3 4 5 6 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3-20-06143D 81 2 3 4 5 6 7 8	3-20-05888D \$1 2 3 4 5 6 7 8 A 6 6 7 8	3-20-05888D 81 2 3 4 5 6 7 8	3-20-058878 \$1 2 3 4 5 6 7 8 \ \oldsymbol{Q} \oldsymbol	3-20-06142E 1 2 3 4 5 6 7 8 0 0 0 0 0
Switch (Market)	P61A		PB105 (6RPM)	BI0120	PF100/BA100 (10RPM)	PC45 (CORN -2 Feedr)	
Front of Control Board	3-20-05886F R1 2 3 4 5 6 7 8 R1 2 0 0 0 0 0	3-20-05886F 81 2 3 4 5 6 7 8 G 0 0 0 0 0		·	3-20-06143D 81 2 3 4 5 6 7 8 9 9 9 9 9 9	3-20-05887B	3-20-06142E 81 2 3 4 5 6 7 8 B B B B B B
0	Accentra insert	P68 UL Feedr (GRPM)			HF60/BH60 (6RPM) PC	PC45 (Com/Pellet UL Feedr)	edr) P61
o	3-20-05886F 81 2 3 4 5 6 7 8	3-20-05886F 81 2 3 4 5 6 7 8			TIONAL V////////////////////////////////////		3-20-05889A (1 2 3 4 5 6 7 8 10 0 0 0 0 0 0
(Diagnostic Display Monitor)	Accentra52i Insert	P68 -2 Feedr (4RPM)		PB105 INTL (10RPM)	HF60 INTL (GRPM)		DVC 500

* see owners manual Dipswitch # 1,2,3 control the ignition cycle "charge" (quantity of pellets augered into the burn pot on startup).* NOTE: A connected DDM (Diagnostic Display Monitor) on power up will show an OFF as 0, and an ON as 1. 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 BOILERS. "ON" when using atsmopheric 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 # 6 is for Room Sensor Differential. "ON" reduces the Diff. by 1 deg. F. off,on,off = program --43 sec. off,on,on = program -64 sec. on,off,on = program +43 sec. on,off,off = program +21 sec. off,off,on = program -21 sec. on,on,on = program +85 sec.

off,off,off = program default

Dipswitch 1,2,3