

Hearth & Home Technologies

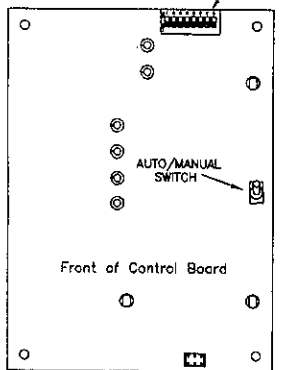
Microprocessor Control Board
Dipswitch settings
For 120VAC 60 Hz

UPDATED July 22, 2014
PART # 3-89-677402

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CONTROL BOARD PART #	WHERE USED	REVISION RELEASE DATE
3-20-05886E	Freestanding Pellet Stoves<--NEW SETTINGS	October 2010
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

Dipswitch Location



DDM PORT
(Diagnostic Display Monitor)

Finned Cartridge Ignition

3-20-05886E Accentra/Advance 3-20-05886E P61A 3-20-05886E Acc Insert 3-20-05886E ACC52I	3-20-05886E XXV/P35I 3-20-05886E P43 3-20-05886E P68 UL Feedr (6RPM) 3-20-05886E P68 -2 Feedr (4RPM)	3-20-05888D PF100 (6RPM) 3-20-06143D PB105 (6RPM)
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Pressure Ignition

3-20-05888D PF120 3-20-05888D BIO120 3-20-06143D PB105 INTL (10RPM)	3-20-06143D PB105/BH105 (10RPM) 3-20-05888D PF100/BA100 (10RPM) 3-20-06143D HF60/BH60 (6RPM) 3-20-06143D HF60 INTL (6RPM)	3-20-05887B PC45 (Pellet -2 Feedr) 3-20-05887B PC45 (CORN -2 Feedr) 3-20-05887B PC45 (Corn/Pellet UL Feedr)
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Manual Ignition

3-20-06142E SUPER MAG 3-20-06142E P38 3-20-06142E P61 3-20-05889A DVC 500
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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.

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. This switch will need to be OFF with any ESP other than RED.

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

Dipswitch # 6 is for BOILERS. "ON" when using atmopheric 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)

* see owners manual