

# Manual HV100G Control Service Guide



To Access the following menus, with the in the OFF mode, press and hold the encoder (Timer Knob) until "0000" appears. Then turn the encoder till the first number of the desired code appears, and push in the knob to proceed to the next number. Continue until the code is entered and push in the knob to access the menu associated with the code.

Factory Programming: Code = 3228

<b>Parameter Selection</b>	<b>Description</b>	<b>Default Value Setting BC20G</b>
P-01	Temperature Unit (F/C)	F
P-02	Cool Down Temp	100F
P-03	Ready Beep	ON
P-04	Fan Reversal Time	4:00
P-05	Cook Done Beeper	Yes
P-08	Appliance Type	Gas
P-09	Machine Type	H100
P-11	Min Hot Air Set Point	140F
P-12	Max Hot Air Set Point	500F
P-15	Max Core Probe Pull Temp	200F
P-16	Upper Hot Air Hysteresis	2F
P-17	Lower Hot Air Hysteresis	2F
P-20	Upper Ready Band	25F
P-21	Lower Ready Band	10F
P-22	Cavity Probe Offset	0F
P-23	Core Probe Offset	-2F
P-24	Spritzer Solenoid Duty Cycle %	33
P-25	User Response Timeout	5
P-26	Sleep Mode Timeout	1
P-27	Counter Start Delay	2
P-28	Quench Probe	Yes
P-29	SCK Address	30
P-30	HI Hydro Duty Cycle	100
P-31	Act Oven Temp Display	No
P-32	Remote Beeper	Yes
P-33	Setback Time	0:00
P-34	Setback Temp	300F
P-35	Setback Temp Delta	10F
P-36	Download Factory Setting From SD	
P-37	Calibrate Cavity Set Temp	CCDR/CDR
End	Exit Factory Programming	END

Manager Programming: Code = 6647

Parameter Selection	Description	Default Value Setting BC20G
P-01	Temperature Unit (F/C)	F
P-03	Ready BEEP	ON
P-04	Fan Reversal Time	4:00
P-05	Cook Done Beeper	Yes
P-25	User Response Timeout	5
P-26	Sleep Mode Timeout	1
P-27	Counter Start Delay	2
P-31	Act Oven Temp Display	NO
P-32	Remote Beeper	YES
End	Exit Factory Programming	END

Service Access: Code = 7378

CNT (Count)	
Count Number	Count Description
C-01	Heat-Hot Air Time
C-07	Spritzer Valve Counts
C-08	Quench Valve Counts
C-09	Motor Reversal Counts
C-10	Motor Gentle Time
C-11	Motor Low Time
C-12	Motor High Time
C-13	Motor Turbo Time
C-14	Door Counts
C-15	Lights Time
C-17	Preheat Thermostat Counts
C-18	Hydro-High
C-19	Hydro-Low
C-20	Hot Air Time
C-21	Cavity Hi Limit
C-23	Cavity Probe Error Counts

<b>DIAG (Diagnostics)</b>	
<b>Diagnostic Number</b>	<b>Diagnostic Test</b>
D-01	Cavity Heat Relay (D35, D31, D37)
D-07	Spritzer Relay (D33)
D-08	Quench Relay (D27)
D-09	Motor Reversal Relay (Gentle Speed) (20Hz)
D-10	Motor Gentle (20Hz)
D-11	Motor Low (30Hz)
D-12	Motor High (40Hz)
D-13	Motor Turbo (50Hz)
D-14	Door Status
D-15	Lights Relay (D25)
D-17	Software Flash Number
D-18	Software Number
D-19	Software Download Number
D-20	SIB Software Number
D-21	Cavity Set Temperature
D-22	Cavity Act Temperature
D-23	Cooling Fan Probe Temperature
D-24	Quench Probe Temperature
D-25	Core Probe Temperature
D-27	Main Switch (HyHi/HAir/Cool/Off/HyLo)
D-28	Fan Feedback Input (Yes/No)
D-29	Cook Done Relay (D21)
D-30	Vent Relay (D24)
D-33	Cool Fan Relay (D26)
D-34	Hot Air Relay (D31)
D-35	Hot Air Enable Relay (D35)
D-37	All Relays (16 Total)
D-38	Display and LED Test
<b>END</b>	

**Below are the Error Codes the control can display and their meaning:**

<b>Code</b>	<b>Meaning</b>
E-01	Cavity Probe Error - The reading from the probe is registering less than 32F or greater than 647F.
E-05	Communication Error - The control lost signals from the relay board for 3 seconds.
E-06	Cooling Fan Probe Error - The reading from the probe is registering less than 32F or greater than 575F.
E-08	Cavity High Temp Error - If the cavity probe reading exceeds 600F
E-10	Quench Probe Error - The reading from the probe is registering less than 32F or greater than 575F.
E-12	Fan Error - The Drive at Speed input was missing for 15 seconds.
E-13	Meat Probe Error - The reading from the meat probe is registering less than 32F and greater than 565F.
E-15	Cooling Fan Hi Limit Error - The Cooling Fan Probe is reading greater than 167F (Default Setting)
E-16	Hot Air Hi Limit Switch Error - The Hot Air High Limit is tripped causing an input at J11 Pin 3 of the Relay Board
E-17	No Heat Error - A call for heat is enabled but the cavity temperature does not rise 1F within 5 minutes.