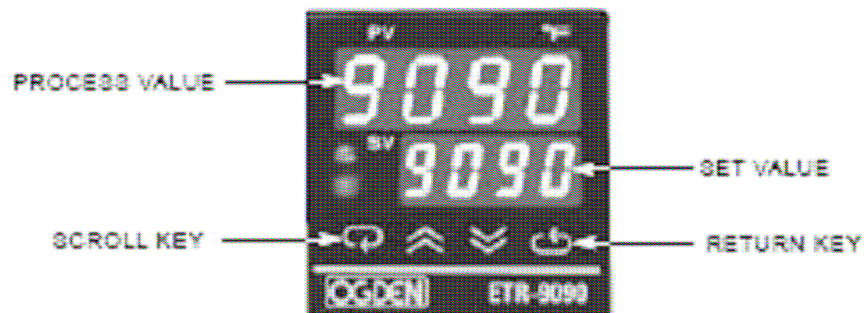




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OGDEN Model ETR- 9090 & ETR-4120 Configuration for Lucks Proof Boxes and Ovens

TOUCHKEYS	DESCRIPTION	FUNCTION
	Scroll Key	Advances the Index display to the desired position. Indexes advanced continuously and cyclically by pressing this keypad.
	Up Key	Increases the parameter. (Set point or other)
	Down Key	Decreases the parameter. (Set point or other)
	Return Key	Resets the controller to its normal status. Also stops auto-tuning, output percentage monitoring and manual mode operation.
Press for 6 seconds	Long Scroll	Allows more parameters to be inspected or changed.
Press for 6 seconds	Long Return	1. Executes auto-tuning function. 2. Calibrates control when in calibration level.
Press and	Output Percentage Monitoring	Allows the set point display to indicate the control output value in percent.
Press and for 6 seconds	Manual Mode Execution	Allows the controller to enter the manual mode. This can be used if the sensor fails.



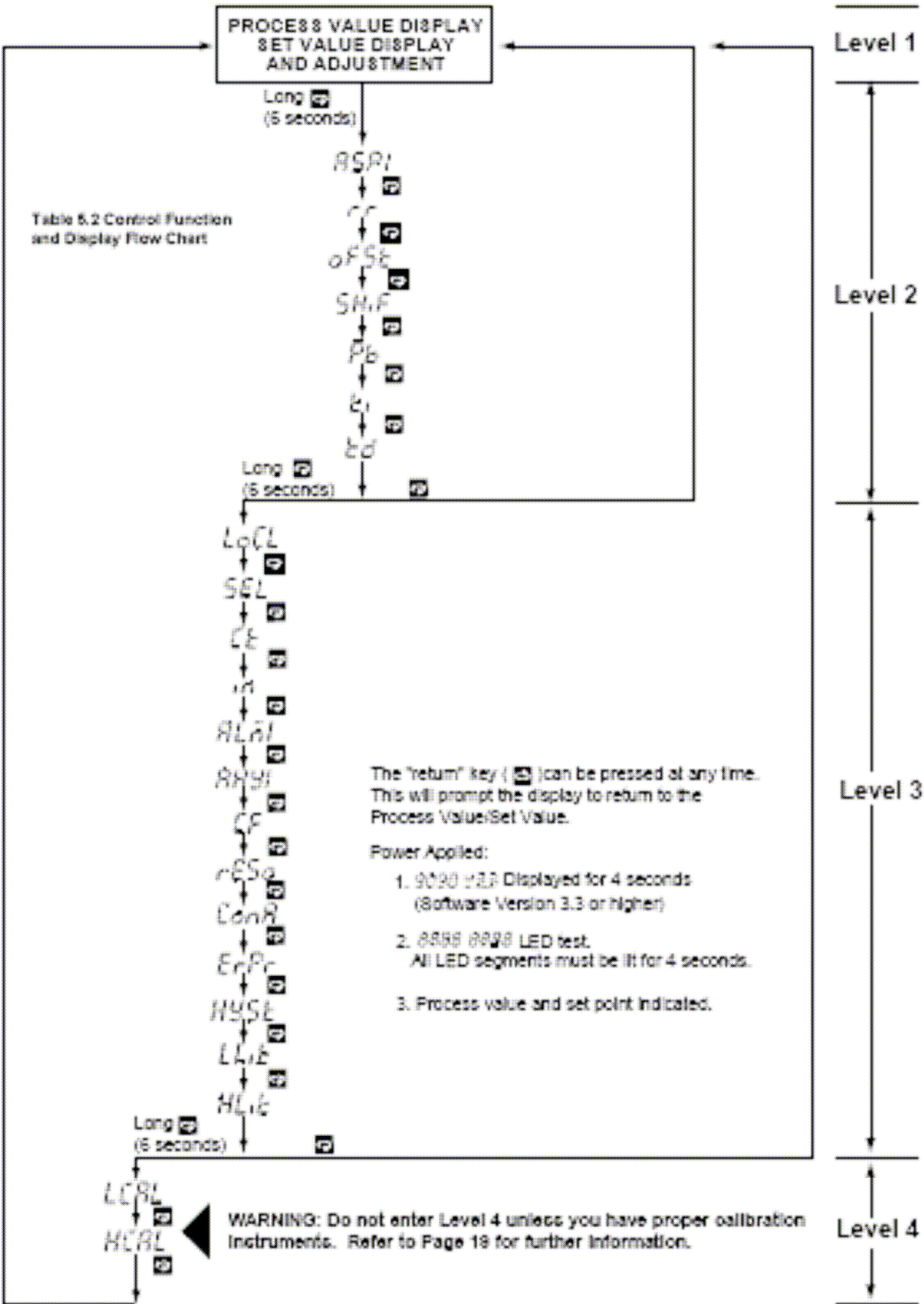


Table 5.4 Parameter Chart

CONTROL NO. DATE PARAMETER	9090	4120	
	P Box	OVEN	
SV SET POINT VALUE			SV → Long Scroll
<i>ASP1</i> ALARM SET POINT	0	18	ASP1 & ASP2(4120)
<i>rr</i> RAMP RATE	0.0	0.0	RR
<i>ofSt</i> OFFSET	0.0	0.0	OFSE
<i>SHIF</i> DISPLAY SHIFT	5.0	-23.0	SHIF
<i>Pb</i> PROPORTIONAL BAND	0.0	0.0	PB
<i>ti</i> INTEGRAL	0	0	TI
<i>td</i> DERIVATIVE	0	0	TD → Long Scroll
<i>LoLl</i> LOCK OUT	1	1	LOCL
<i>SEL</i> SELECT	0	0	SEL
<i>ct</i> CYCLE TIME	0	0	CT
<i>in</i> INPUT TYPE	0	0	IN
<i>ALA1</i> ALARM TYPE	1	2	ALA1 & ALA2(4120)
<i>AHY1</i> ALARM HYSTERESIS	0.5	0.5	AHY1
<i>CF</i> DEGREES C OR F	0	0	CF
<i>reso</i> RESOLUTION	0	0	RESO
<i>ConA</i> CONTROL ACTION	1	1	CONA
<i>ERPR</i> ERROR PROTECTION	1	0	ERPR
<i>HYST</i> CONTROL HYSTERESIS	0.0	0.0	HYST
<i>LLIt</i> LOW RANGE	0	0	LLIt
<i>HLIt</i> HIGH RANGE	120	550	HLIt → RETURN KEY