1/16 - 1/8 MAXVU EXTRUSION CONTROLLER **CONCISE PRODUCT MANUAL (59578-2)**

CAUTION: Installation should be only performed by technically competent personnel. It is the responsibility of the installing engineer to ensure that the configuration is safe. Local regulations regarding electrical installation & safety must be observed - e.g. US National Electrical Code (NEC) and/or Canadian Electrical Code. Impairment of protection will occur if the product is used in a manner not specified by the manufacturer.

1. INSTALLATION

Installation Guidance

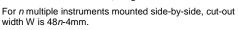
- Standards compliance shall not be impaired when fitted into the final installation
- Designed to offer a minimum of Basic Insulation only
- Ensure that supplementary insulation suitable for Installation Category II is achieved when fully
- To avoid possible hazards, accessible conductive parts of the final installation should be rotectively earthed in accordance with EN61010 for Class 1 Equipment.
- Output wiring should be within a Protectively Earthed cabinet.
- Sensor sheaths should be bonded to protective earth or not be accessible
- Live parts should not be accessible without the use of a tool.
- When fitted to the final installation, an IEC/CSA APPROVED disconnecting device should be used to disconnect both LINE and NEUTRAL conductors simultaneously
- Do not to position the equipment so that it is difficult to operate the disconnecting device.

Panel-Mounting

The mounting panel must be rigid, and may be up to 6.0mm (0.25inch) thick. Cut-out sizes are:

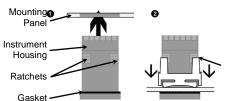
1/16: Width = 45mm, Height = 45mm

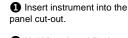






Tolerance +0.5, -0.0mm





A Hold front bezel firmly (without pressing on display area), and fit mounting clamp. Push clamp forward, using a tool if necessary, until gasket is compressed and instrument is neld firmly in position.

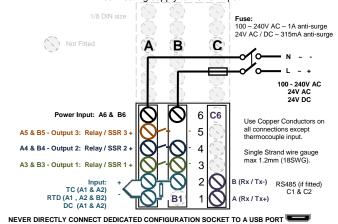


CAUTION: For an effective IP65 seal against dust and moisture, ensure gasket is well compressed against the panel, with the 4 tongues located in the same

Rear Terminal Wiring

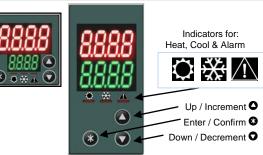
This diagram shows all possible option combinations. Check the product configuration before wiring.

CAUTION: Check information label on housing for correct operating voltage before connecting supply to Power Input



2. FRONT PANEL

Displays & Indicators



Keypad & General Navigation

Menu navigation, parameter editing and keypad use are described below. See the relevant manual sections for further information and exceptions.

General keypad usage & parameter editing:

Press or keys to navigate between parameters

To edit a parameter, press **3**. The Parameter name (*lower display*) flashes when the parameter above can be edited / adjusted.

Press or to change the parameter value (upper display).

Edited values stop changing at the parameters limits. A further press of O or • past the parameter limit "wraps" the value back to the start

(e.g. 0, 1, 2... ...98, 99, 100 • 0, 1, 2...) To confirm the change, press 3 within 60s otherwise the change is rejected.

To navigating to Setup or Advance Configuration from User Mode:

Press and hold down 3 and press 6 for setup Mode, or

Press and <u>hold down</u> ❸ and press **⑦** for advanced configuration.

Returning to User Mode from other modes:

After 120 seconds without key activity the unit returns automatically to the 1st User mode screen, or

Press and hold down 3 and press 4 to move back up one level.

FIRST POWER-UP (SETUP MODE)

When first powered up, or after a "reset" & power-cycle or time-out" sequence, the

Screen Name	Lower	Upper	Adjustment Rar	nge & Description	
	Display	Display			Value
Setup mode lock	5.Loc		en attempting to ent		10
code			is new, following a ck code is 0FF).	reset with power-	
			to 9999) matchir	ag the defined lock	
			ow entry to the follo		
Input Type	LYPE	FE_J		ocouple	FCJH
7	בשורב		-200 – 1200°C	-128.8 – 537.7°C	CL_/
			-328 – 2192°F	-199.9 – 999.9°F	
		FC_H		ocouple	
			-240 – 1373°C -400 – 2503°F	-128.8 – 537.7°C -199.9 – 999.9°F	
		P 100		100	
		1 100	-199 – 800°C	-128.8 – 537.7°C	
			-328 – 1472°F	-199.9 – 999.9⁰F	
		FC_P		nocouple	
				1824ºC 3315ºF	
		FE_E		nocouple	
				320°C	
				208°F	
		FE_L		ocouple	
			0 – 762°C 32 – 1403°F	0.0 – 537.7°C 32.0 – 999.9°F	
		FC_U	N Therm		
				399°C	
				2551°F	
		tC_r	R Therm	nocouple 795°C	
				198°F	
		FC-2	S Therm	nocouple	
				762°C	
				3204°F	
		FC_F	-240 – 400°C	ocouple -128.8 – 400°C	
			-400 – 752°F	-199.9 – 752.0°F	
		0_50	0 – 50	mV DC	
Input Units	Un it	E	Temperature displa	ayed as °C.	Ε
		F	Temperature displa	ayed as °F.	
Process Display	dEc.P	0000	No decimal places		0000
Resolution		0.000	1 decimal place		
			2 decimal places	Not available for	
		00.00		temperature	
		0.000	3 decimal places	inputs.	
Scale Input Upper	ScUL		t Lower Limit +100		Input
Limit			imum. (Only visible 50mV is selected)	in Setup Mode	max Lin=1000
Scaled Range	ScLL		imum to Scale Inpu	t Upper Limit -100	Input
Lower Limit	JULL	display uni	ts. (Only visible in S		min
		to 50mV is			Linear=0
Output 1 Usage	OUF I	HEAL	Heat Power		HEAL
		COOL	Cool Power		
		NL.CL	Non-Linear Cooling		
		AL I	Alarm 1		
		AL 2	Alarm 2		
		AL 12	Alarm 1 or 2		
		LooP	Control loop alarm		
		LUUI	(2 x Integral time)		

Output 2 Usage	ONF5	As Output	As Output 1 Usage		
Output 3 Usage	OUE3	As Output	1 Usage	AL2	
Alarm 1 Adjust	AL_ I		imum to range maximum les the alarm. Default high alarm	1373	
Alarm 2 Adjust	AL_2		imum to range maximum les the alarm. Default low alarm	-240	
Setpoint Adjust	SP		point adjustable between setpoint lower limits	0	
Automatic Tuning Start/Stop	FunE	OFF	Use current PID control terms or manually tune	OFF	
		PrE	Start a pre-tune routine		
		ALSP	Start the tune at setpoint		

USER MODE

Screen Name	Lower Display	Upper Display	Screen Usage and Visibility	
Basic Setpoint Control 1st Screen (Automatic Mode)	Effective Setpoint	Process Variable	Basic Setpoint Control enabled – automatic control. Press ♥ or ♥ to instantly adjust setpoint. If ramping, the target setpoint is shown while adjusting. UFF replaces the setpoint if control is disabled.	
Basic Setpoint Control 1st Screen (<i>Manual Mode</i>)	Manual Power	Process Variable	Basic Setpoint Control enabled - manual control. Press ② or ② to <u>instantly</u> adjust manual power. The power value is shown as P xxx.	
The following screens are not shown in Basic User Mode (see the display sub-menu d ,5P in Advance configuration – Section 6)				

The following screens are not shown in Basic User Mode						
(see the dis	(see the display sub-menu d • 5P in Advance configuration – Section 6)					
User 1st Screen			Available in automatic control mode.			
(Automatic Mode)	Setpoint	Variable	If ramping, the target setpoint is shown while adjusting.			
			OFF replaces setpoint if control is disabled.			
			d'L'9 replaces setpoint if control delayed.			
User 1st Screen	Manual	Process	Available in manual control mode.			
(Manual Mode)	Power	Variable	Manual Power value is shown as Pxxx			

Important: To appear in the User Mode the visibility setting for any of

the parame	eters bel	ow must b	oe SHUU in the OPEr sub-menu.
Alarm Status	ALSE	Active Alarms	Active only when alarms are active. I = Alarm 1 active = Alarm 2 active L = Loop Alarm active. Any combination can be displayed here
Latch Status	LALH	Latched Outputs	Active only when an output is latched on. I = Output 1 Output 2 Output 3 Clear by pressing .
Maximum PV	raa	Value	Clear by pressing ❸.
Minimum PV	נת יי	Value	Clear by pressing ❸.
Control Enable	EntL	OFF	Control output(s) disabled. (except in manual mode)
		<u>D</u> n	Control output(s) enabled. PID or On-Off control available.
Manual Control Enable	הטנד	OFF	Instrument in automatic control mode (manual control OFF).
		0n	Manual control ON. Power is shown as \mathbf{P}_{xxx} in 1 st User screen.

Messages & Error Codes

Some messages provide useful information about the process, others indicate error, or problem with the process variable signal or its wiring.

Caution: Do not continue with the process until the issue is resolved.

Screen Name	Lower Display	Upper Display	Screen Meaning and Visibility
Alarm Active	Normal	-AL-	One or more alarms are active (alternates with PV). Optional – see d • 5P
Output Latched	Normal	LEch	One or more output are latched on (alternates with PV), <u>and</u> no alarm is active
Input Over Range	Normal	-HH-	Process variable input >5% over-range.
Input Under Range	Normal	-LL-	Process variable input >5% under-range.
Input Sensor Break	OFF	OPEN	Break detected in process variable input sensor or wiring.
Un-calibrated Input	OFF	Err	Selected input range has not been calibrated.
Manual Power	Pxxx	Normal	Manual power value replaces the setpoint.
Control Disabled	OFF	Normal	Control is disabled, control outputs are off.
Control Delayed	4LY	Normal	Visible if control delayed by Delayed Start Time (d_£ i)
Automatic Tuning	LunE	Normal	Tuning is active (alternates with setpoint).

Screen Name	Lower Display	Upper Display	Screen Meaning and Visibility
Automatic Tuning Errors			display alternates between the tune error code emains visible until tune set to off.
	EEr I		PV is within 5% of setpoint
	FE-5		Setpoint is ramping
	EE-3		Control is ON/OFF
	EE-4	l	Control is manual
	LE rS	Normal	Pulse tune not able to run
	tEr6		Sensor break
	tEr7		Timer running
	EE-8		Sensor break

5. SPECIFICATIONS

UNIVERSAL INPUT

Thermocouple ±0.25% of full range, ±1LSD (±1°C for Thermocouple CJC).

Calibration: BS4937, NBS125 & IEC584 PT100 Calibration: ±0.25% of full range, ±1LSD.

BS1904 & DIN43760 (0.00385Ω/Ω/°C).

DC Calibration: ±0.2% of full range, ±1LSD.

Sampling Rate: 4 per second.

Impedance: >10M Ω resistive.

Sensor Break

Thermocouple and RTD ranges only. Control outputs turn off. Detection:

> Isolated from all outputs (except SSR driver) by at least BASIC isolation. Universal input must not be connected to operator accessible circuits if relay outputs are connected to a hazardous

voltage source. Supplementary insulation or input grounding would then be required. Isolated from Mains Power Input by basic

RELAYS (OPTIONAL)

OUTPUTS

Isolation:

Contacts: SPST Form A relay; current capacity 2A at 250VAC. Lifetime: >150,000 operations at rated voltage/current, resistive load.

Isolation: Basic Isolation from universal input and SSR outputs.

SSR Drivers (OPTIONAL)

Drive Capability: SSR drive voltage >10V at 20mA

Isolation: Not isolated from universal input or other SSR driver outputs.

SERIAL COMMUNICATIONS (OPTIONAL)

RS485, at 1200, 2400, 4800, 9600, 19200 or 38400 bps. Physical:

Protocols Modbus RTU

Basic safety isolation from Universal input and SSR. Isolation:

Basic safety isolation to Mains and Relay Circuits.

OPERATING CONDITIONS

Usage For indoor use only, mounted in suitable enclosure Ambient Temp: 0°C to 55°C (Operating), -20°C to 80°C (Storage).

Relative Humidity: 20% to 95% non-condensing.

Altitude <2000m

Supply Voltage & 100 to 240VAC ±10%, 50/60Hz, 7.5VA Power:

(for mains powered versions), or 24VAC +10/-15% 50/60Hz 7.5VA or 24VDC +10/-15% 5W

(for low voltage versions).

ENVIRONMENTAL

Standards

EMI: Complies with EN61326 (Susceptibility and Emissions).

Safety Complies with EN61010-1

Considerations:

Front Panel Sealing: Front to IP65 when correctly mounted, Rear of panel to IP20.

PHYSICAL

Front Bezel Size: $^{1}/_{16}$ Din = 48 x 48 mm,

 $\frac{1}{8}$ Din = 48 x 96 mm Depth Behind Panel: 67mm with sealing gasket fitted.

Weight: 0.20kg maximum

6. ADVANCED CONFIGURATION

The advanced configuration gives access to all of the features of the unit.

Advanced Configuration Mode Navigation

Press O or to navigate to the required sub-menu, then press to enter.

Advanced Configuration Main Menu

Screen Name	Lower Display	Upper Display	Sub-Menu Usage and Visibility
Advanced	R.Loc	Value	Visible when attempting to enter Advanced
Configuration Mode Lock Code			Configuration unless lock code is OFF
Lock Code			Set value (I to 9999) matching the defined lock code to allow entry to the following
			screens. Default code is 20 .
User Settings	A.du	USEr	Provides access to Control and Manual Mode enable/disable. Only shown if Basic User mode
			is select in d .5P (see below).
Input Setup	A.du	InPt	Configuration parameters for the process input.
Input Calibration	R.du	CAL	Single or two point calibration adjustments for the process input.
Output Setup	A.du	DULP	Configuration parameters for the outputs.
Control Setup	A.du	COnt	PID control tuning & configuration parameters. Hidden if no control output set.
Setpoint Setup	A.du	SP	Setpoint settings.
Alarm Setup	A.du	ALLU	Alarm configuration parameters.
Communications Setup	A.du	Colu	Modbus communications settings. Only shown if RS485 option is fitted
Display Settings	A.du	d .5P	Enable Basic Mode and change lock codes.
Product Information	A.du	InFo	View product serial number and manufacturing information.

User Sub-Menu: USEr

Provides access to Control Enable/Disable.

Flovides access to C	Ultitu Liia	DIG/DISGDIC	j	
Screen Name	Lower Display	Upper Dis Descripti		Default Value
Alarm Status	ALSE	Active Alarms	Visible when alarms are active - L2 1 are active. I = Alarm 1 active 2 = Alarm 2 active 3 = Loop Alarm active	Blank
Latch Status	LAEH	Latched Alarms	Active when an output is latched - I23 are active. I = Output 1 C = Output 2 3 = Output 3	Blank
Maximum PV	P7A		Max/Min PV recorded whilst	
Minimum PV	וי הן		powered up or since last reset. To clear press ❸ then to select 为E5. Press ❸ to accept.	
Control Enable	EntL	OFF	Control output(s) disabled.	<u>On</u>
		<u>Dn</u>	Control output(s) enabled. PID or On-Off control available.	
Manual Control Enable	LUCF	OFF	Instrument in automatic control mode (manual control OFF).	OFF
		8n	Manual control ON. <i>Power is shown</i> as P xxx in 1 st User screen.	
Alarm Status	ALSE	Active Alarms	Visible when alarms are active. I = Alarm 1 active	Blank

Input Sub-Menu: InPL

input Sub-wenu:	ITIFE					
Screen Name	Lower Display		Upper Display Adjustment Range & Description			
Input Type	FALE		Options available same as in setup mode (section 3)			
Input Units	Un it	E	Temperature displa	ayed as °C		
		F	Temperature displa	ayed as °F		
Process Display		0000	No decimal places		0000	
Resolution		0.000	1 decimal place			
		00.00	2 decimal places	Not available		
		0.000	3 decimal places	for temperature inputs.		
Scaled Range	ScUL		ut Lower Limit +100	display units to	Input	
Upper Limit		range ma	ximum		max Lin=1000	
Scaled Range	ScLL		inimum to Scale Inp	out Upper Limit -	Input	
Lower Limit		100 displa	ay units		min Linear=0	
Input Filter Time	F iLE	OFF or C	7.5 to 100.0 seco	onds in 0.5	0.5	

Screen Name	Lower Display	Upper Display Adjustment Range & Description		Defau Value
		incremer	nts	
Cold Junction Compensation	בחב	<u> </u>	Enables the internal thermocouple CJC.	
		OFF	Disables the internal CJC. External compensation must be provided for thermocouples.	

Input Calibration Sub-Menu: [AL

Single or two point calibration adjustments for the process input. If the error is not constant across the sensor range, measure the error at a low point and

light point in the process, and use two point cambration to correct it.					
Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value		
Single Point Offset	OFF5	Shifts the input value up or down by the offset amount across the entire range.	0		
Low Calibration Point	L.CAL	The value at which the low point error was measured.	Lower Limit		
Low Offset	L.OFF	Enter an equal, but opposite offset value to the observed low point error.	8		
High Calibration Point	H.CAL	The value at which the high point error was measured.	Upper Limit		
High Offset	H.OFF	Enter an equal, but opposite offset value to the observed high point error.	0		

Output Setup Sub-Menu: DULP

Screen Name	Lower Display	Upper Disp Descriptio	olay Adjustment Range & n	Default Value	
Output 1 Usage	OUL I	HEAL	leat Power		
		COOL	Cool Power		
		NL.CL	Non-Linear Cooling		
		AL I	Alarm 1	HEAL	
		AL2	Alarm 2		
		AL 12	Alarm 1 or 2		
			Control loop alarm 2 x Integral time)		
Output 1 Alarm	Act I	d " (Output changes with the alarm		
Action			Output changes in opposition to alarm	d 1r	
Output 1 Alarm	LAc I	OFF L	atching off	OFF	
Latching		O ∩	atching on		
Output 2 Usage	ONF5	As Output	1 Usage	AL I	
Output 2 Alarm Action	AcF5	As Output	1 Alarm Action	d ir	
Output 2 Alarm Latching	LAc2	As Output	1 Alarm Latching	OFF	
Output 3 Usage	OUE3	As Output '	1 Usage	AL2	
Output 3 Alarm Action	Act3	As Output 1 Alarm Action		d	
Output 3 Alarm Latching	LAc3	As Output	1 Alarm Latching	OFF	

Control Sub-Menu: [Ont

PID control tuning & configuration parameters. Hidden if no control outputs are set.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Heat Proportional Band	н_Рь	In display units. 0.0 ($\Omega\Omega\OmegaF$) and range: 0.5 to 999.9 units.	16 1
Cool Proportional Band	С_РЬ		16 1
Automatic reset (integral time)	In.t	$^{\prime\prime}$ second to 99 minutes 59 seconds and 0FF	5.00
Rate (derivative time)	dEr.t	OFF 0 seconds to 99 minutes 59 seconds	1. 15
Overlap/ Deadband	0_d	In display units, range -20 to +20% of Heat and Cool Proportional Band	0
ON/OFF differential	d iFF	In display units, centred about the setpoint, range: 0.1% to 10.0% of input span	8
Loop Alarm Time	LAL	Visible when using On/Off control (i.e. when H_Pb or £_Pb = Qn.0F) Sets the time to wait before the loop alarm becomes active.	99.59
Manual Reset (Bias)	ь ,Я5	0 to 100% (100% to 100% if heat/cool control)	25
Soft Start Time	SSE 1	0 (0FF)to 60 hours	OFF
Soft Start Setpoint	555P	Soft start target setpoint adjustable between scale input upper and lower limits	-240
Heat Cycle Time	НсУс	0.1 to 5 12.0 seconds	32.0

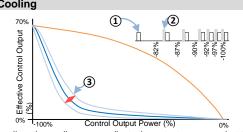
Cool Cycle Time	СсУс		32.0
Heat and Cool output Inhibit	OPLC	Inhibits simultaneous switching of both heat and cool outputs.	OFF
Heat Power Limit	HPL	% power upper limit $m{ heta}$ to $m{ heta 00}$ %	100
Cool Power Limit	CPL	% power upper limit $m{ heta}$ to $m{ heta 00}$ %	100
Cooling Minimum	COOL	Range minimum to range maximum	150
Impulse Length	Ł.on	I to 9999 seconds	10
Minimum off time	Ł.oFF	1 to 9999 seconds	50
Non-linear cooling adjust	C.RdJ	O to 9999	5
Power Up Action	PUP	Powers up with control enable in the same state as on power fail	LASE
		Always powers up with control enabled	
Automatic Tuning Start/Stop	FunE	Use current PID control terms or manually tune	OFF
		Start a pre-tune routine	
		Start the tune at setpoint	

Soft Start



① At power on the unit will control to the Soft Start Setpoint, **555P**. ② Then remain at this value for the time defined by the Soft Start Time, **55£** . During this period the control cycle time is a ¼ of the value entered and the heat power limit, **HPL**, is used. ③ When soft start timer expires the unit returns to normal operation. The unit controls to the normal setpoint and from this point the heat power limit is not used by the controller.

Non-linear Cooling



With non-linear cooling, the cooling curve adjusts the output power so that the effective power over 0% to -70% is weaker. ① The length of time the output will be on for is set by the parameter **L.on.** ② The minimum time the output will be off for is set by the parameter **L.off**. ③ When **L.RdJ** is set to a value greater than 0 the cooling is non-linear and the value adjusts the characteristics of the curve.

Setpoint Sub-Menu: 5P

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Ramp Rate	rALE	The rate (in units / hour) from current PV to setpoint following power-up or control enable. From 0.00 I to 9999 or 0FF Setpoint changes also follow this rate.	OFF
Setpoint Upper Limit	SPuL	The maximum allowed setpoint value, from current setpoint to scaled upper limit.	Upper Limit
Setpoint Upper Limit	SPLL	The minimum allowed setpoint value, from current setpoint to scaled lower limit.	Lower Limit

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Alarm 1 Type	AL IE	nonE None	P_h .
		Process High Alarm	
		Process Low Alarm	
		Deviation Alarm	
		Band Alarm	
Alarm 1 Value	AL_ I	Range minimum to range maximum	1373
		OFF disables the alarm.	
Alarm 1 Hysteresis	HYS I	0 to full span.	
Alarm 2 Type	AL2F	As Alarm 1.	P_Lo
Alarm 2 Value	AL_2	Range minimum to range maximum	-240
		OFF disables the alarm.	
Alarm 2 Hysteresis	HY52	0 to full span.	
Alarm Inhibit	ınh ı	Inhibit these alarms if active at power-up and	nonE
		on change in setpoint.	
		nonE None	

Screen Name	Lower Display			Default Value	
		1	Alarm 1		
		2	Alarm 2		
		1 2	Alarm 1 and Alarm 2		
Alarm Notification	Note		g indication -RL- shown when ms are active.	1	5
		nonE	None		
		1	Alarm 1		
		2	Alarm 2		
		1 5	Alarm 1 and Alarm 2		
Alarm LED Indicator selection	A. Ind	Select the LED indic	alarms that will show on the alarm ator	-	5
		nonE	None		
		1	Alarm 1		
		2	Alarm 2		
		1 2	Alarm 1 and Alarm 2		
Sensor Break Alarm	SbAc	ON activa break is d	tes both alarms when a sensor etected.	0	FF

Communications Sub-Menu: Conn

Modbus communications settings. Only shown if RS485 option is fitted

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Modbus Address	Rdd	The device network address from 1 to 255	- 1
Baud Rate	bAud	The communications data rate in kbps from I.2 (1200), 2.4 (2400), 4.8 (4800), 9.5 (9600), 19.2 (19200), 38.4 (38400).	9.6
Parity	Prty	Parity checking: Odd , EuEn or nonE	nonE

Display Sub-Menu: d .5P

Enable Basic Mode and change lock codes.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Setup Lock Code	5.Loc	View and adjust lock code to allow entry to the Setup Mode. Adjustable from I to 9999 or OFF to allow unrestricted access	10
Advanced Configuration Lock Code	R.Loc	View and adjust lock code to allow entry to the Advanced Configuration. Adjustable from I to 9999 or OFF to allow unrestricted access	20
Basic Setpoint Control Enable/Disable	6ASc	Basic Setpoint Control allows user to only change the setpoint or manual power.	d ,SA
Reset to Defaults	dFLE	Reset all parameters back to their factory defaults Reset by pressing $^{f s}$ and selecting $^{f y}$	

Operator Sub-Menu: OPEr

Controls what appears in the User Mode when Basic Mode is disabled.

Screen Name	Lower Display	Upper Display	Sub-Menu Usage and Visibility	
PV Maximum	רחם			H idE
PV Minimum	רט יט		Hide or show parameters in User	H idE
Alarm Status	ALSE			H idE
Latch Status	LAFP		Mode when Basic Mode is disabled.	SHLJ
Control Enabled	Entl			н .дЕ
Manual Control Enabled	LUCF			H idE

Product Information Sub-Menu: InFo (Read-Only view)

Read-only view product serial number and manufacturing information.

Screen Name	Lower Display	Description	
Product Revision	PrL	The hardware/software revision level.	
Firmware Type	FEAD	The firmware code type.	
Firmware Issue	155	The firmware version number	
Serial Number 1	SErl	First four digits of serial number	
Serial Number 2	SE-2	Middle four digits of serial number	
Serial Number 3	SEr3	Last four digits of serial number	
Manufacture Date	4000	Date of Manufacture (mmyy)	