

1/16 - 1/8 MAXVU CONTROLLER CONCISE PRODUCT MANUAL (59572-2)

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

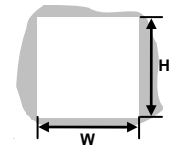
- Standards compliance shall not be impaired when fitted into the final installation.
- Designed to offer a minimum of Basic Insulation only
- Ensure that supplementary insulation suitable for Installation Category II is achieved when fully installed.
- To avoid possible hazards, accessible conductive parts of the final installation should be protectively 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

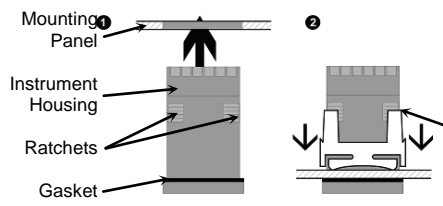
The mounting panel must be rigid, and may be up to 6.0mm (0.25inch) thick. Cut-out sizes are:

- 1/16: Width = 45mm, Height = 45mm
- 1/8: Width = 45mm, Height = 92mm

For *n* multiple instruments mounted side-by-side, cut-out width *W* is 48*n*-4mm.



Tolerance +0.5, -0.0mm



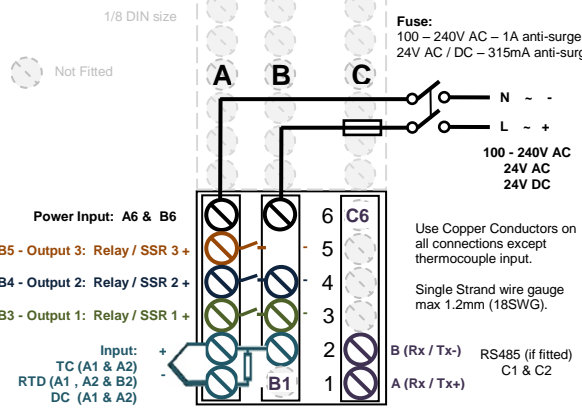
- Insert instrument into the panel cut-out.
- Hold front bezel firmly (without pressing on display area), and fit mounting clamp. Push clamp forward, using a tool if necessary, until gasket is compressed and instrument is held firmly in position.

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 ratchet slot.

Rear Terminal Wiring

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

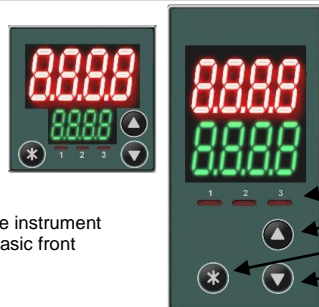
CAUTION: Check information label on housing for correct operating voltage before connecting supply to Power Input



NEVER DIRECTLY CONNECT DEDICATED CONFIGURATION SOCKET TO A USB PORT.

2. FRONT PANEL

Displays & Indicators



Output LED indicators

Up / Increment

Enter / Confirm

Down / Decrement

All versions of the instrument have the same basic front panel layout.

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 **✱**. 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 **▲** 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 **✱** within 60s otherwise the change is rejected.

To navigating to Setup or Advance Configuration from User Mode:

- Press and hold down **▲** and press **✱** for setup Mode, or
- Press and hold down **▼** and press **✱** 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 **▲** and press **▲** to move back up one level.

3. FIRST POWER-UP (SETUP MODE)

When first powered up, or after a "reset" & power-cycle or time-out" sequence, the instrument enters and Setup Mode.

It remains in Setup until all screens are completed and the user exits the Setup Mode.

Screen Name	Lower Display	Upper Display	Adjustment Range & Description	Default Value
Setup mode lock code	S.Loc	Visible when attempting to enter Setup unless instrument is new, following a reset with power-down or lock code is OFF).		10
Input Type	TYPE	TC.J	J Thermocouple -200 - 1200°C -328 - 2192°F	TC.J
			K Thermocouple -240 - 1373°C -400 - 2503°F	TC.K
			PT100 -199 - 800°C -328 - 1472°F	P.100
			B Thermocouple 100 - 1824°C 211 - 3315°F	TC.b
			C Thermocouple 0 - 2320°C 32 - 4208°F	TC.c
			L Thermocouple 0 - 762°C 32 - 1403°F	TC.l
			N Thermocouple 0 - 1399°C 32 - 2551°F	TC.n
			R Thermocouple 0 - 1795°C 32 - 3198°F	TC.r
			S Thermocouple 0 - 1762°C 32 - 3204°F	TC.s
			T Thermocouple -240 - 400°C -400 - 752°F	TC.t
			0 - 20mA DC	0.20
			4 - 20mA DC	4.20
			0 - 50mV DC	0.50
			10 - 50mV DC	10.50
0 - 5V DC	0.5			
1 - 5V DC	1.5			
0 - 10V DC	0.10			
2 - 10V DC	2.10			
Input Units	Unit	C	Temperature displayed as °C.	C
		F	Temperature displayed as °F.	
Process Display Resolution	dEc.P	0000	No decimal places	0000
		000.0	1 decimal place	
		00.00	2 decimal places	Not available for temperature inputs.
		0.000	3 decimal places	
Scale Input Upper Limit	ScUL	Scale Input Lower Limit +100 display units to range maximum. (Only visible in Setup Mode when a dc linear type is selected)		Input max Lin=1000
Scaled Range Lower Limit	ScLL	Range minimum to Scale Input Upper Limit -100 display units. (Only visible in Setup Mode when a dc linear type is selected)		Input min Linear=0

Output 1 Usage	OUT 1	HEAT	Heat Power	HEAT
		COOL	Cool Power	
		AL 1	Alarm 1	
		AL 2	Alarm 2	
		AL 12	Alarm 1 or 2	
	Loop	Control loop alarm (2 x Integral time)		
Output 2 Usage	OUT 2	As Output 1 Usage		AL 1
Output 3 Usage	OUT 3	As Output 1 Usage		AL 2
Alarm 1 Adjust	AL_1	Range minimum to range maximum OFF disables the alarm. Default high alarm		1373
Alarm 2 Adjust	AL_2	Range minimum to range maximum OFF disables the alarm. Default low alarm		-240
Setpoint Adjust	SP	Target setpoint adjustable between setpoint upper and lower limits		0
Automatic Tuning Start/Stop	tunE	OFF	Use current PID control terms or manually tune	OFF
		PrE	Start a pre-tune routine	
		AtSP	Start the tune at setpoint	

4. 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. OFF replaces the setpoint if control is disabled.
Basic Setpoint Control 1st Screen (Manual Mode)	Manual Power	Process Variable	Basic Setpoint Control enabled - manual control. Press ▲ or ▼ to instantly adjust manual power. The power value is shown as Pxxx.
The following screens are not shown when Basic Setpoint Control enabled (see the display sub-menu d.SP in Advance configuration - Section 6)			
User 1st Screen (Automatic Mode)	Effective Setpoint	Process Variable	Available in automatic control mode. If ramping, the target setpoint is shown while adjusting. OFF replaces setpoint if control is disabled. dLY replaces setpoint if control delayed.
User 1st Screen (Manual Mode)	Manual Power	Process Variable	Available in manual control mode. Manual Power value is shown as Pxxx
Important: To appear in the User Mode the visibility setting for any of the parameters below must be SHLJ in the OPtR sub-menu.			
Alarm Status	ALSt	Active Alarms	Active only when alarms are active. 1 = Alarm 1 active 2 = Alarm 2 active L = Loop Alarm active. Any combination can be displayed here
Latch Status	LAth	Latched Outputs	Active only when an output is latched on. 1 = Output 1 2 = Output 2 3 = Output 3 Clear by pressing ✱ .
Maximum PV	mPA	Value	Clear by pressing ✱ .
Minimum PV	mPn	Value	
Control Enable	CntL	OFF	Control output(s) disabled. (except in manual mode)
		On	Control output(s) enabled. PID or On-Off control available.
Manual Control Enable	mCt	OFF	Instrument in automatic control mode (manual control OFF).
		On	Manual control ON. Power is shown as Pxxx in 1st User screen.
Time On Remaining	0.t	Time left for ON timer	Active only when the ON Timer is decrementing. When time = 0 control is disabled. Screen persists until time = 0.
Delay Time Remaining	d.t	Time left for delay timer	Active only when the Delay time is decrementing. When this time expires control is enabled.

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.SP
Output Latched	Normal	Ltch	One or more output are latched on (alternates with PV), and no alarm is active
Input Over Range	Normal	-HH-	Process variable input >5% over-range.

Screen Name	Lower Display	Upper Display	Screen Meaning and Visibility
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.
Setpoint Ramping	SPr	Normal	Setpoint ramp is active (alternates with setpoint)
Control Disabled	OFF	Normal	Control is disabled, control outputs are off.
Control Delayed	dLY	Normal	Visible if control delayed by Delayed Start Time (d.t i)
Automatic Tuning	tunE	Normal	Tuning is active (alternates with setpoint).
Automatic Tuning Errors			If the tune fails the display alternates between the tune error code and the setpoint. Remains visible until tune set to off.
	tEr 1	Normal	PV is within 5% of setpoint
	tEr 2		Setpoint is ramping
	tEr 3		Control is ON/OFF
	tEr 4		Control is manual
	tEr 5		Pulse tune not able to run
	tEr 6		Sensor break
	tEr 7		Timer running
	tEr 8		Sensor break

5. SPECIFICATIONS

UNIVERSAL INPUT

Thermocouple Calibration: ±0.25% of full range, ±1LSD (±1°C for Thermocouple CJC).
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: >10MΩ resistive, except DC mA (5Ω) and V (47kΩ).

Sensor Break Detection: Thermocouple, RTD, 4 to 20mA, 2 to 10V and 1 to 5V ranges only. Control outputs turn off.

Isolation: 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 isolation.

OUTPUTS

RELAYS (OPTIONAL)

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)

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

Protocols: Modbus RTU.

Isolation: Basic safety isolation from Universal input and SSR. Basic safety isolation to Mains and Relay Circuits.

OPERATING CONDITIONS

Usage: For indoor use only, mounted in suitable enclosure

Ambient Temperature: 0°C to 55°C (Operating), -20°C to 80°C (Storage).

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

Altitude: <2000m

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

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

ENVIRONMENTAL

Standards: CE

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,

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 **◀** 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 Configuration Mode Lock Code	A.Loc	Value	Visible when attempting to enter Advanced Configuration unless lock code is OFF . Set value (1 to 9999) matching the defined lock code to allow entry to the following screens. Default code is 20 .
User Settings		USER	Provides access to Control and Manual Mode enable/disable. Only shown if Basic User mode is select in d.ISP (see below).
Input Setup		InPt	Configuration parameters for the process input.
Input Calibration		CAL	Single or two point calibration adjustments for the process input.
Output Setup		OUTP	Configuration parameters for the outputs.
Control Setup	Adu	CONt	PID control tuning & configuration parameters. Hidden if no control output set.
Setpoint & Timer Setup		SPEt	Setpoint and timer settings.
Alarm Setup		ALM	Alarm configuration parameters.
Communications Setup		COM	Modbus communications settings. Only shown if RS485 option is fitted
Display Settings		d.ISP	Enable Basic Mode and change lock codes.
Product Information		InFo	View product serial number and manufacturing information.

User Sub-Menu: **USER**

Provides access to Output Control Enable / Disable.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Alarm Status	ALSt	Active Alarms Visible when alarms are active - L2 1 are active. 1 = Alarm 1 active 2 = Alarm 2 active 3 = Loop Alarm active	Blank
Latch Status	LAth	Latched Alarms Active when an output is latched - 123 are active. 1 = Output 1 2 = Output 2 3 = Output 3	Blank
Maximum PV	PMA	Max/Min PV recorded whilst powered up or since last reset.	
Minimum PV	PMin	To clear press ⏏ then to select YES . Press ⏏ to accept.	
Control Enable	Ctrl	OFF Control output(s) disabled. On Control output(s) enabled. PID or On-Off control available.	On
Manual Control Enable	MCt	OFF Instrument in automatic control mode (manual control OFF). On Manual control ON. Power is shown as Pxxx in 1 st User screen.	OFF

Input Sub-Menu: **InPt**

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Input Type	TYPE	Options available same as in setup mode (section 3)	TC.P
Input Units	UnIt	C Temperature displayed as °C F Temperature displayed as °F	C
Process Display Resolution	dEc.P	0000 No decimal places 000.0 1 decimal place 00.00 2 decimal places 0.000 3 decimal places <i>Not available for temperature inputs.</i>	0000
Scaled Range Upper Limit	ScUL	Scale Input Lower Limit +100 display units to range maximum	Input max Lin=1000
Scaled Range Lower Limit	ScLL	Range minimum to Scale Input Upper Limit - 100 display units	Input min Linear=0
Input Filter Time	Filt	OFF or 0.5 to 100.0 seconds in 0.5 increments	2.0

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Cold Junction Compensation	CJC	On Enables the internal thermocouple CJC. OFF Disables the internal CJC. External compensation must be provided for thermocouples.	On

Input Calibration Sub-Menu: **CAL**

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 high point in the process, and use two point calibration to correct it.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Single Point Offset	OFFS	Shifts the input value up or down by the offset amount across the entire range.	0
Low Calibration Point	LCAL	The value at which the low point error was measured.	Lower Limit
Low Offset	LOFF	Enter an equal, but opposite offset value to the observed low point error.	0
High Calibration Point	HCAL	The value at which the high point error was measured.	Upper Limit
High Offset	HOFF	Enter an equal, but opposite offset value to the observed high point error.	0

Output Setup Sub-Menu: **OUTP**

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Output 1 Usage	OUT1	HEAT Heat Power COOL Cool Power AL1 Alarm 1 AL2 Alarm 2 AL12 Alarm 1 or 2 Loop Control loop alarm (2 x Integral time)	HEAT
Output 1 Alarm Action	Act1	d ir Output changes with the alarm rEv Output changes in opposition to alarm	d ir
Output 1 Alarm Latching	LAc1	OFF Latching off On Latching on	OFF
LED Indicator 1 Inverting	Ind1	d ir LED Indicator changes with the output rEv LED Indicator changes in opposition to the output	d ir
Output 2 Usage	OUT2	As Output 1 Usage	AL1
Output 2 Alarm Action	Act2	As Output 1 Alarm Action	d ir
Output 2 Alarm Latching	LAc2	As Output 1 Alarm Latching	OFF
LED Indicator 2 Inverting	Ind2	As LED Indicator 1 Inverting	d ir
Output 3 Usage	OUT3	As Output 1 Usage	AL2
Output 3 Alarm Action	Act3	As Output 1 Alarm Action	d ir
Output 3 Alarm Latching	LAc3	As Output 1 Alarm Latching	OFF
LED Indicator 3 Inverting	Ind3	As LED Indicator 1 Inverting	d ir

Control Sub-Menu: **CONt**

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

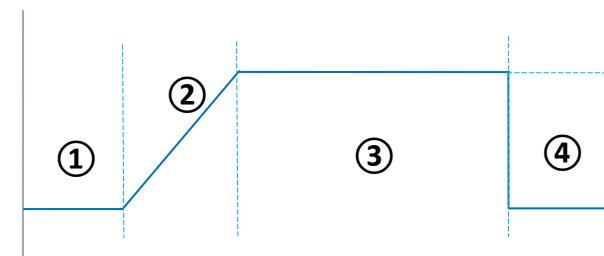
Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Heat Proportional Band	H.Pb	In display units. 0.0 (ON.OFF) and range: 0.5 to 999.9 units.	16 1
Cool Proportional Band	C.Pb		16 1
Automatic reset (integral time)	In.t	1 second to 99 minutes 59 seconds and OFF	5.00
Rate (derivative time)	dEr.t	OFF 0 seconds to 99 minutes 59 seconds	1.15
Overlap/Deadband	O.d	In display units, range -20 to +20% of Heat and Cool Proportional Band	0
ON/OFF differential	dIFF	In display units, centred about the setpoint, range: 0.1% to 10.0% of input span	8
Loop Alarm Time	LAte	Visible when using On/Off control (i.e. when H.Pb or C.Pb = On.OFF) Sets the time to wait before the loop alarm becomes active.	99.59

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Manual Reset (Bias)	bias	0 to 100% (100% to 100% if heat/cool control)	25
Heat Cycle Time	HcYc	0.1 to 512.0 seconds	32.0
Cool Cycle Time	CcYc		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 0 to 100%	100
Cool Power Limit	CPL	% power upper limit 0 to 100%	100
Power Up Action	PUP	LAST Powers up with control enable in the same state as on power fail ON Always powers up with control enabled	LAST
Automatic Tuning Start/Stop	tunE	OFF Use current PID control terms or manually tune P-r-E Start a pre-tune routine ALSP Start the tune at setpoint	OFF

Setpoint & Timer Sub-Menu: **SPEt**

Setpoint and timer settings. The timer can apply a delay before enabling control; a controlled ramp towards the target setpoint; a limit to the time at target setpoint before disabling control. Timer is not available in basic mode.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Timer Enable	tEnb	EnAb Enables the delay and on timers, functions at next power-up / control enable. d.ISA Delay and on timers, are ignored, but setpoint ramping is not disabled.	d.ISA
Delayed Start Time	d.t.	The time from power-up or a control enable request before control begins, from 00.0 1 to 99.59 or OFF . (Hours.Minutes) Control disabled until time elapsed.	OFF
Ramp Rate	rAtE	The rate (in units / hour) from current PV to setpoint following power-up or control enable. From 0.00 1 to 9999 or OFF Setpoint changes also follow this rate.	OFF
On Time	O.t.	The time the target setpoint will be maintained once reached, from 00.0 1 to 99.59 or OFF . (Hours.Minutes) Control remains on indefinitely if set to INF .	INF
Setpoint Upper Limit	SPuL	The maximum allowed setpoint value, from current setpoint to scaled upper limit.	Upper Limit
Setpoint Lower Limit	SPLL	The minimum allowed setpoint value, from current setpoint to scaled lower limit.	Lower Limit



- At switch on or from control enable the unit will delay enabling control until the start timer (Delayed Start Time) expires.
- The setpoint then ramps from the current PV to the setpoint at the Setpoint Ramp Rate.
- When a ramp rate is not defined the active setpoint will step directly to the target setpoint. Once the active setpoint reaches the target setpoint, the 'on' timer (On Time) starts.
- When the on timer expires the control switches off.

If no time is defined for the on timer, control continues indefinitely unless manually disabled.

Alarm Sub-Menu: **ALM**

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Alarm 1 Type	AL1t	nonE None P.h Process High Alarm P.Lo Process Low Alarm dEv Deviation Alarm bAnd Band Alarm	P.h
Alarm 1 Value	AL_1	Range minimum to range maximum OFF disables the alarm.	1373
Alarm 1 Hysteresis	HYS 1	0 to full span.	1
Alarm 2 Type	AL2t	As Alarm 1	P.Lo
Alarm 2 Value	AL_2	Range minimum to range maximum	-240

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Alarm 2 Hysteresis	HYS2	OFF disables the alarm. 0 to full span.	1
Alarm Inhibit	inh	Inhibit these alarms if active at power-up and on change in setpoint. nonE None 1 Alarm 1 2 Alarm 2 1 2 Alarm 1 and Alarm 2	nonE
Alarm Notification	NotE	Alternating indication -AL- shown when these alarms are active. nonE None 1 Alarm 1 2 Alarm 2 1 2 Alarm 1 and Alarm 2	1 2
Sensor Break Alarm	SbAc	ON activates both alarms when a sensor break is detected.	OFF

Communications Sub-Menu: **COM**

Modbus communications settings. Only shown if RS485 option is fitted

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Modbus Address	Add	The device network address from 1 to 255	1
Baud Rate	bAud	The communications data rate in kbps from 1.2 (1200), 2.4 (2400), 4.8 (4800), 9.6 (9600), 19.2 (19200), 38.4 (38400).	9.6
Parity	Prty	Parity checking: Odd , Even or nonE	nonE

Display Sub-Menu: **d.ISP**

Enable Basic Mode and change lock codes.

Screen Name	Lower Display	Upper Display Adjustment Range & Description	Default Value
Setup Lock Code	S.Loc	View and adjust lock code to allow entry to the Setup Mode. Adjustable from 1 to 9999 or OFF to allow unrestricted access	10
Advanced Configuration Lock Code	A.Loc	View and adjust lock code to allow entry to the Advanced Configuration. Adjustable from 1 to 9999 or OFF to allow unrestricted access	20
Basic Setpoint Control Enable/Disable	bAsc	Basic Setpoint Control allows user to only change the setpoint or manual power.	d.ISA
Reset to Defaults	dFLt	Reset all parameters back to their factory defaults Reset by pressing ⏏ and selecting YES	

Operator Sub-Menu: **OPtR**

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	PMA		H idE
PV Minimum	PMin		H idE
Alarm Status	ALSt		H idE
Latch Status	LAth	H idE	Hide or show parameters in User Mode when Basic Mode is disabled.
Control Enabled	Ctrl	SHW	H idE
Manual Control Enabled	MCt		H idE
Time On Remaining	On.t		H idE
Delay Time Remaining	dLt		H idE

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

Screen Name	Lower Display	Description
Product Revision	P.rL	The hardware/software revision level.
Firmware Type	FtYP	The firmware code type.
Firmware Issue	ISS	The firmware version number
Serial Number 1	SEr-1	First four digits of serial number
Serial Number 2	SEr-2	Middle four digits of serial number
Serial Number 3	SEr-3	Last four digits of serial number
Date of Manufacture	dOM	Date of manufacture (mm/yy)