$^1/_{16}$ - $^1/_8$ DIN INDICATOR
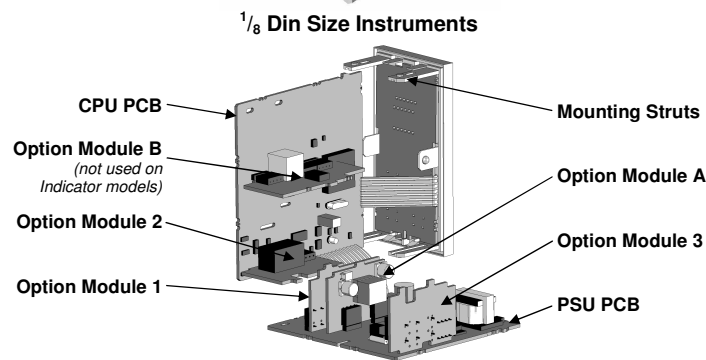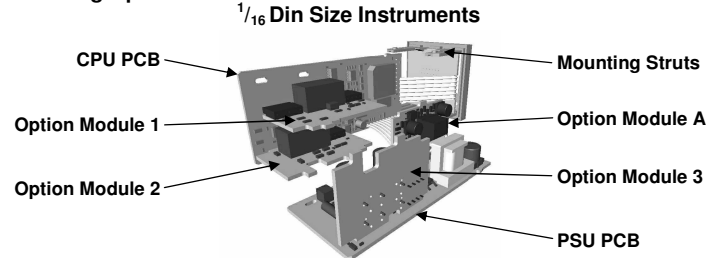# CONCISE PRODUCT MANUAL (59344-3)

⚠️ **CAUTION: Installation should be only performed by technically competent personnel. Local Regulations regarding electrical installation & safety must be observed.**

1. INSTALLATION

The two indicators covered by this manual have different DIN case sizes *(refer to section 9)*. Some installation details vary between these models. These differences have been clearly shown.
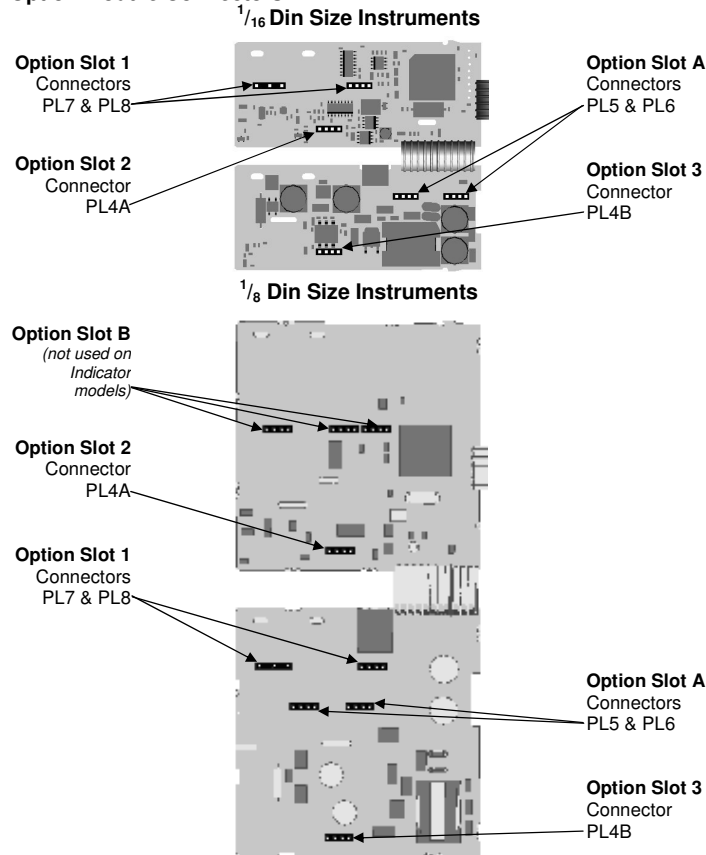*Note: The functions described in sections 2 to 8 are common to both models.*

Installing Option Modules

$^1/_{16}$ Din Size Instruments

- CPU PCB
- Option Module 1
- Option Module 2
- Mounting Struts
- Option Module A
- Option Module 3
- PSU PCB

$^1/_8$ Din Size Instruments

- CPU PCB
- Option Module B *(not used on Indicator models)*
- Option Module 2
- Option Module 1
- Mounting Struts
- Option Module A
- Option Module 3
- PSU PCB

To access modules 1 or A, first detach the PSU and CPU boards from the front by lifting first the upper, and then lower mounting struts. Gently separate the boards.

a. Plug the required option modules into the correct connectors, as shown below.
b. Locate the module tongues in the corresponding slot on the opposite board.
c. Hold the main boards together while relocating onto the mounting struts.
d. Replace the instrument by aligning the CPU and PSU boards with their guides in the housing, then slowly push the instrument back into position.
Note: Option modules are automatically detected at power up.

Option Module Connectors

$^1/_{16}$ Din Size Instruments

- Option Slot 1 Connectors PL7 & PL8
- Option Slot 2 Connector PL4A
- Option Slot A Connectors PL5 & PL6
- Option Slot 3 Connector PL4B

$^1/_8$ Din Size Instruments

- Option Slot B *(not used on Indicator models)*
- Option Slot 2 Connector PL4A
- Option Slot 1 Connectors PL7 & PL8
- Option Slot A Connectors PL5 & PL6
- Option Slot 3 Connector PL4B

Panel-Mounting

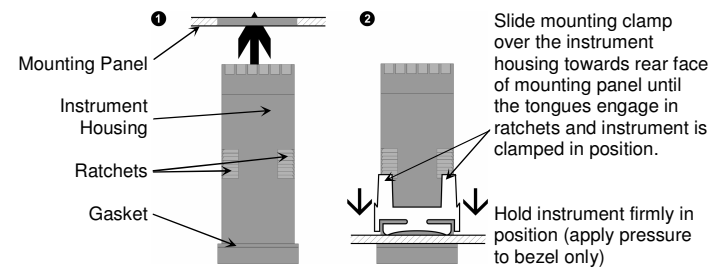The mounting panel must be rigid, and may be up to 6.0mm (0.25inch) thick. Cut-out sizes are:

Cut-Out Dim A	Cut-Out Dim B
$^1/_{16}$ Din = 45mm	$^1/_8$ & $^1/_8$ Din = 45mm
$^1/_8$ Din = 92mm	
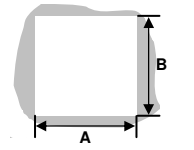
For *n* multiple instruments mounted side-by-side, cut-out A is 48*n*-4mm ($^1/_{16}$ Din) or 96*n*-4mm ($^1/_8$ Din)

Tolerance +0.5, -0.0mm

- Mounting Panel
- Instrument Housing
- Ratchets
- Gasket
- Slide mounting clamp over the instrument housing towards rear face of mounting panel until the tongues engage in ratchets and instrument is clamped in position.
- Hold instrument firmly in position (apply pressure to bezel only)
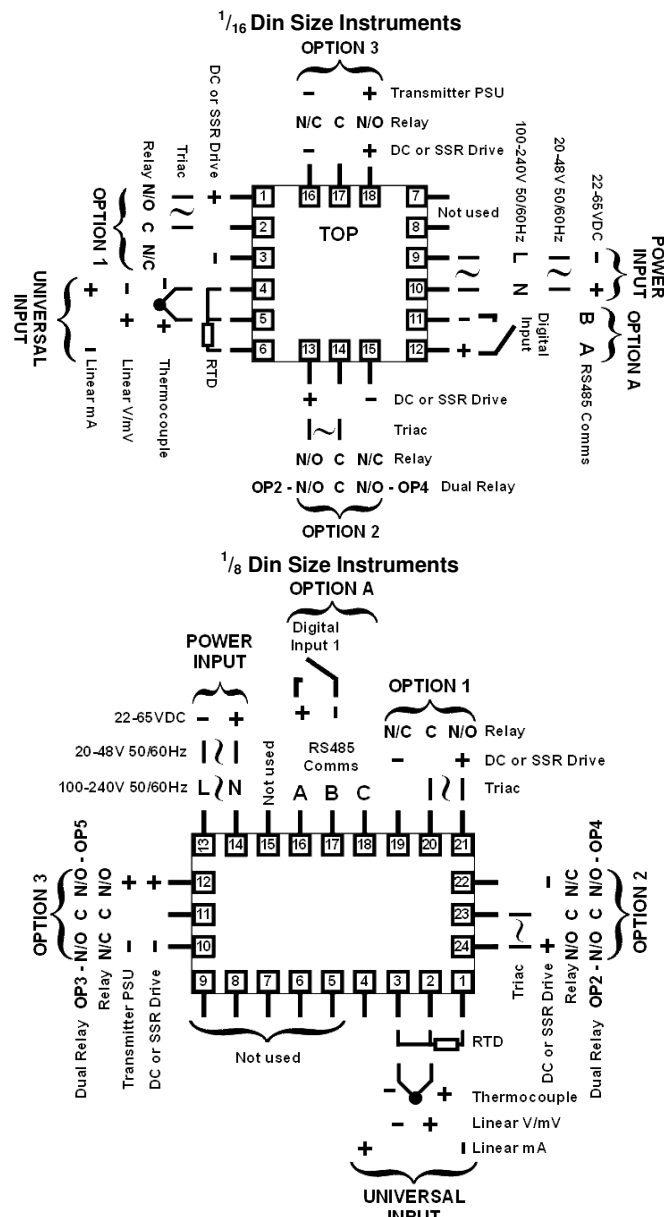
⚠️ **CAUTION:** Do not remove the panel gasket; it is a seal against dust and moisture.

Rear Terminal Wiring

USE COPPER CONDUCTORS (EXCEPT FOR T/C INPUT)
Single Strand wire gauge: Max 1.2mm (18SWG)

$^1/_{16}$ Din Size Instruments

$^1/_8$ Din Size Instruments

These diagrams show all possible option combinations. The actual connections required depend on the model and options fitted.

⚠️ **CAUTION:** Check information label on housing for correct operating voltage before connecting supply to Power Input
Fuse: 100 – 240V ac – 1amp anti-surge
24/48V ac/dc – 315mA anti-surge

*Note: At first power-up the message **Goto ConF** is displayed, as described in section 5 of this manual. Access to other menus is denied until configuration mode is completed*

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2. SELECT MODE

Select mode is used to access the configuration and operation menu functions. It can be accessed at any time by holding down ↻ and pressing △. *The **SLCt** legend is shown for 1 second, followed by the legend for the current mode.*
Press △ or ▽ to choose the required mode, then press ↻ to enter. An unlock code is required to prevent unauthorised entry to Configuration, & Setup modes. Press △ or ▽ to enter the unlock code, then press ↻ to proceed.

Mode	Legend *for 1 sec followed by* ➡	Set Value	Description	Default Unlock Codes	Units Display ($^1/_8$ Din Only)
Operator		OPtr	Normal operation	None	
Set Up	SLCt	SEtP	Tailor settings for application	10	
Configuration		ConF	Configure instrument for use	20	5
Product Info		inFo	Instrument information	None	

Note: Automatic return to Operator Mode after 2 minutes without key activity.

3. CONFIGURATION MODE

First select Configuration mode from Select mode *(refer to section 2)*. Press ↻ to scroll through the parameters. *While this key is pressed, and up to 1 second after, the parameter legend is shown, followed by the current value.*
Press △ or ▽ to set the required value. Press ↻ to display **YES?**, press △ accept the change, otherwise parameter will revert to previous value. To exit from Configuration mode, hold down ↻ and press △, to return to Select mode.
Note: Parameters displayed depends on how instrument has been configured. Refer to user guide (available from your supplier) for further details.
Parameters marked * are repeated in Setup Mode.

Parameter	Legend *for 1 sec followed by* ➡	Set Value	Adjustment Range & Description	Default Value	Units Display ($^1/_8$ Din Only)
Input Range/Type	inPt		*See following table for possible codes*	JC	r

Code	Input Type & Range	Code	Input Type & Range	Code	Input Type & Range
bC	B: 100 - 1824 °C	LC	L: 0.0 - 537.7 °C	P24F	PtRh20% vs 40%: 32 - 3362 °F
bF	B: 211 - 3315 °F	LF	L: 32.0 - 999.9 °F		
CC	C: 0 - 2320 °C	nC	N: 0 - 1399 °C	PtC	Pt100: −199 - 800 °C
CF	C: 32 - 4208 °F	nF	N: 32 - 2551 °F	PtF	Pt100: −328 - 1472 °F
JC	J: −200 - 1200 °C	rC	R: 0 - 1759 °C	Pt.C	Pt100: −128.8 - 537.7 °C
JF	J: −328 - 2192 °F	rF	R: 32 - 3198 °F	Pt.F	Pt100: −199.9 - 999.9 °F
J.C	J: −128.8 - 537.7 °C	SC	S: 0 - 1762 °C	0.20	0 - 20 mA DC
J.F	J: −199.9 - 999.9 °F	SF	S: 32 - 3204 °F	4.20	4 - 20 mA DC
HC	K: −240 - 1373 °C	tC	T: −240 - 400 °C	0.50	0 - 50 mV DC
HF	K: −400 - 2503 °F	tF	T: −400 - 752 °F	10.50	10 - 50 mV DC
H.C	K: −128.8 - 537.7 °C	t.C	T: −128.8 - 400.0 °C	0.5	0 - 5 V DC
H.F	K: −199.9 - 999.9 °F	t.F	T: −199.9 - 752.0 °F	1.5	1 - 5 V DC
LC	L: 0 - 762 °C	P24C	PtRh20% vs. 40%: 0 - 1850 °C	0.10	0 - 10 V DC
LF	L: 32 - 1403 °F			2.10	2 - 10 V DC

Note: Decimal point shown in table indicates temperature resolution of 0.1°

Parameter	Legend *for 1 sec followed by* ➡	Set Value	Adjustment Range & Description	Default Value	Units Display ($^1/_8$ Din Only)
Scale Range Upper Limit	rUL		Scale Range Lower Limit +100 to Range Maximum	Max (Lin = 1000)	u
Scale Range Lower Limit	rLL		Range Minimum to Scale Range Upper Limit -100	Min (Lin = 0)	L
Decimal point position	dPoS		0=XXXX, 1=XXX.X, *(non-temperature* 2=XX.XX, 3=X.XXX *ranges only)*	1	P
Linear Range Engineering Units Display	L inU		nonE – None (*Blank*), °C or °F $^1/_8$ Din units only where linear inputs represent temperature	nonE	C F
Multi-Point Scaling	MPS		EnAb – Enables or disables the input d iSA multi-point scaling feature	d iSA	S
Alarm 1Type	ALA 1		P_H i – Process High Alarm, P_Lo – Process Low Alarm, nonE – No alarm	P_H i	1
High Alarm 1*	PhA 1		Alarm 1 value, adjustable within scaled range, in display units	Max	I (Alm1 only = A)
Low Alarm 1*	PLA 1			Min	
Alarm 1 Hysteresis*	AHY 1		1 LSD to full span in display units on safe side of alarm	1	-
Alarm 2Type	ALA2			nonE	2
High Alarm 2*	PhA2		Options as for alarm 1	Max	
Low Alarm 2*	PLA2			Min	
AI 2 Hysteresis*	AHY2			1	=
Alarm 3Type	ALA3			nonE	3
High Alarm 3*	PhA3		Options as for alarm 1	Max	
Low Alarm 3*	PLA3			Min	
AI 3 Hysteresis*	AHY3			1	=
Alarm 4Type	ALA4			nonE	4
			Options as for alarm 1		

Parameter	Legend *for 1 sec followed by* ➡	Set Value	Adjustment Range & Description	Default Value	Units Display ($^1/_8$ Din Only)
High Alarm 4*	PhA4			Max	4
Low Alarm 4*	PLA4		Options as for alarm 1	Min	
AI 4 Hysteresis*	AHY4			1	4
Alarm 5 Type	ALA5			nonE	5
High Alarm 5*	PhA5		Options as for alarm 1	Max	
Low Alarm 5*	PLA5			Min	5
AI 5 Hysteresis*	AHY5			1	5
Output 1 Usage	USE1		A Ind – Alarm 1, direct, non-latching		
			A Inr – Alarm 1, reverse, non-latching		
			A ILd – Alarm 1, direct, latching		
			A ILr – Alarm 1, reverse, latching		
			A2nd – Alarm 2, direct, non-latching		
			A2nr – Alarm 2, reverse, non-latching		
			A2Ld – Alarm 2, direct, latching		
			A2Lr – Alarm 2, reverse, latching		
			A3nd – Alarm 3, direct, non-latching		
			A3nr – Alarm 3, reverse, non-latching		
			A3Ld – Alarm 3, direct, latching		
			A3Lr – Alarm 3, reverse, latching		
			A4nd – Alarm 4, direct, non-latching		
			A4nr – Alarm 4, reverse, non-latching		
			A4Ld – Alarm 4, direct, latching		
			A4Lr – Alarm 4, reverse, latching		
			A5nd – Alarm 5, direct, non-latching	rEtP for linear outputs,	
			A5nr – Alarm 5, reverse, non-latching		
			A5Ld – Alarm 5, direct, latching	A Ind for others	1
			A5Lr – Alarm 5, reverse, latching		
			O 12d – Logical Alarm 1 OR 2, direct		
			O 12r – Logical Alarm 1 OR 2, reverse		
			O 13d – Logical Alarm 1 OR 3, direct		
			O 13r – Logical Alarm 1 OR 3, reverse		
			O23d – Logical Alarm 2 OR 3, direct		
			O23r – Logical Alarm 2 OR 3, reverse		
			Anyd – Any active alarm, direct		
			Anyr – Any active alarm, reverse		
			rEtP – Retransmit PV Output		
			dc 10 – 0 to 10VDC (adjustable) transmitter power supply*		
Output 1 PV Retransmit Type	tYP 1		0.5 – 0 to 5 V DC output		
			0.10 – 0 to 10 V DC output		
			2.10 – 2 to 10 V DC output	0.10	1
			0.20 – 0 to 20 mA DC output		
			4.20 – 4 to 20 mA DC output		
Retransmit OP 1 Scale maximum	ro 1H		Display value between, -1999 & 9999 at which Output 1 will be at maximum	Range max	H
Retransmit OP 1 Scale minimum	ro 1L		Display value between, -1999 & 9999 at which Output 1 will be at minimum	Range min	L
TxPSU 1 level	PSU 1		Output 1 Power Supply (0 to 10VDC)*	10.0	1
Output 2 Usage	USE2		As for Output 1 Usage	A2nd	2
Output 2 PV Retransmit Type	tYP2		As for Output 1 PV Retransmit Type		2
Retransmit OP2 Scale Maximum	ro2H		As for Retransmit Output 1 Scale Maximum		H
Retransmit OP2 Scale Minimum	ro2L		As for Retransmit Output 1 Scale Minimum		L
TxPSU 2 level	PSU2		Output 2 Power Supply (0 to 10VDC)*	10.0	2
Output 3 Usage	USE3		As for Output 1 Usage	A3nd	3
Output 3 PV Retransmit Type	tYP3		As for Output 1 PV Retransmit Type		3
Retransmit OP3 Scale maximum	ro3H		As for Retransmit Output 1 Scale Maximum		H
Retransmit OP3 Scale minimum	ro3L		As for Retransmit Output 1 Scale Minimum		L
TxPSU 3 level	PSU3		Output 3 Power Supply (0 to 10VDC)*	10.0	3
Output 4 Usage	USE4		Alarm output options as for Output 1 Usage	A4nd	4
Output 5 Usage	USE5			A5nd	5
Display Strategy	d iSP		0, 1, 2, 3, 4 or 6 *(refer to section 6)*	0	d
Display Colour	CLor		rEd – Permanent Red		
			Grn – Permanent Green		
			r-G – Red to Green on any alarm	G-r	c
			G-r – Green to Red on any alarm		
Serial Communication Protocol	Prot		ASC i – ASCII		
			Mbn – Modbus with no parity		
			MbE – Modbus with Even Parity	Mbn	P
			Mbo – Modbus with Odd Parity		
Comms Bit Rate	bAud		1.2, 2.4, 4.8, 9.6 or 19.2 kbps	4.8	b
Comms Address	Addr		1 to 255 (Modbus), 1 to 99 (ASCII)	1	A

Parameter	Legend (for 1 sec followed by)	Set Value	Adjustment Range & Description	Default Value	Units Display (1/8 Din Only)
Comms Write	CoEn	r_W	Read/Write	r_W	E
		r_O	Read only		
Digital Input Usage	d iG i	rrLY	Reset latched relay(s)	rrLY	i
		tArE	Initiate Tare (zero display)		
		rPu	Reset min/max PV values		
		rE	Reset Alarm 1 elapsed time		
		rPuE	Reset Alarm 1 elapsed time & min/max PV values		
Config Lock	CLoc		Config Mode lock code, 0 to 9999	20	C

4. SETUP MODE

Note: Configuration must be completed before adjusting Setup parameters.
First select Setup mode from Select mode (refer to section 2). Press ↻ to scroll through the parameters *(while this key is pressed, and for 1 sec after, the parameter legend is shown, then the current value)*. Press △ or ▽ to change the value.
To exit from Setup mode, hold down △ and press △ to return to Select mode.
Note: Parameters displayed depends on how instrument has been configured.

Parameter	Legend (for 1 sec followed by)	Set Value	Adjustment Range & Description	Default Value	Units Display (1/8 Din Only)
Input Filter Time Constant	F ilt		OFF or 0.5 to 100.0 secs	2.0	t
Process Variable Offset	OFFS		±Span of controller	0.0	o
Raw PV value	S iG		Linear input value, un-scaled (mA, mV or VDC)	blank	
High Alarm 1	PhA1		Alarm 1 value, adjustable within scaled range, in display units	Max	1 (Alm1 only = A)
Low Alarm 1	PLA1			Min	
Alarm 1 Hysteresis	AHY1		1 LSD to full span in display units on safe side of alarm	1	-
High Alarm 2	PhA2		Options as for alarm 1	Max	2
Low Alarm 2	PLA2			Min	
AI 2 Hysteresis	AHY2			1	⹀
High Alarm 3	PhA3		Options as for alarm 1	Max	3
Low Alarm 3	PLA3			Min	
AI 3 Hysteresis	AHY3			1	⹀
High Alarm 4	PhA4		Options as for alarm 1	Max	4
Low Alarm 4	PLA4			Min	
AI 4 Hysteresis	AHY4			1	4
High Alarm 5	PhA5		Options as for alarm 1	Max	5
Low Alarm 5	PLA5			Min	
AI 5 Hysteresis	AHY5			1	5
Scaling Breakpoint 1	ScA1		Multi-point scaling breakpoint 1 value, adjustable from 0 to 100 in % of span	100	1
Display Value 1	d iS1		Value to be displayed at multi-point scaling breakpoint 1, in display units	Range Max	
Scaling Breakpoint 2	ScA2		Multi-point scaling breakpoint 2, adjustable up to 100% of span. Must be >ScA1 value		2
Display Value 2	d iS2		Value to be displayed at Multi-point scaling breakpoint 2, in display units		
Scaling Breakpoint 3	ScA3		Multi-point scaling breakpoint 3, adjustable up to 100% of span. Must be >ScA2 value		3
Display Value 3	d iS3		Value to be displayed at Multi-point scaling breakpoint 3, in display units		
Scaling Breakpoint 4	ScA4		Multi-point scaling breakpoint 4, adjustable up to 100% of span. Must be >ScA3 value		4
Display Value 4	d iS4		Value to be displayed at Multi-point scaling breakpoint 4, in display units		
Scaling Breakpoint 5	ScA5		Multi-point scaling breakpoint 5, adjustable up to 100% of span. Must be >ScA4 value		5
Display Value 5	d iS5		Value to be displayed at Multi-point scaling breakpoint 5, in display units		
Scaling Breakpoint 6	ScA6		Multi-point scaling breakpoint 6, adjustable up to 100% of span. Must be >ScA5 value		6
Display Value 6	d iS6		Value to be displayed at Multi-point scaling breakpoint 6, in display units		
Scaling Breakpoint 7	ScA7		Multi-point scaling breakpoint 7, adjustable up to 100% of span. Must be >ScA6 value		7
Display Value 7	d iS7		Value to be displayed at Multi-point scaling breakpoint 7, in display units		
Scaling Breakpoint 8	ScA8		Multi-point scaling breakpoint 8, adjustable up to 100% of span. Must be >ScA7 value		8
Display Value 8	d iS8		Value to be displayed at Multi-point scaling breakpoint 8, in display units		
Scaling Breakpoint 9	ScA9		Multi-point scaling breakpoint 9, adjustable up to 100% of span. Must be >ScA8 value		9
Display Value 9	d iS9		Value to be displayed at Multi-point scaling breakpoint 9, in display units		
Tare Feature	tArE	EnAb	Enables or disables the input auto-zero Tare feature	d iSA	r
		d iSA			
Setup Lock Code	SLoc		0 to 9999	10	S

Note: Operator mode screens follow, without exiting from Setup mode.

5. MESSAGES & ERROR INDICATIONS

These messages indicate that the instrument may require attention, or there is a problem with the signal input connection. *The message legend is shown for 1 second, followed by its value.*
Caution: *Do not continue with the process until the issue is resolved.*

Parameter	Legend (for 1 sec followed by)	Value	Description	Units Display (1/8 Din Only)
Instrument parameters are in default conditions	Goto	ConF	Configuration & Setup is required. This screen is seen at first turn on, or if hardware configuration is changed. Press ↻ to enter Configuration Mode, next press △ or ▽ to enter the unlock code, then press ↻ to proceed	C
Input Over Range		CHH	Input signal is > 5% over-range	E
Input Under Range		CLL	Input signal is > 5% under-range (>10% under-range for 4 to 20mA, 1 to 5V and 2 to 10V ranges)	
Input Sensor Break		OPEN	Break detected in input signal sensor or wiring	
Option 1 Error	Err	Err1	Option 1 module fault	1
Option 2 Error		Err2	Option 2 module fault	2
Option 3 Error		Err3	Option 3 module fault	3
Option A Error		ErrA	Option A module fault	A
Option B Error		Errb	Shown if any module is fitted (option B not used in Indicators)	b

Note: CHH, CLL or OPEN may also be displayed if an incorrect input type is selected.

6. OPERATOR MODE

This mode is entered at power on, or accessed from Select mode (see section 2).
Note: All Configuration mode and Setup mode parameters must be set as required before starting normal operations.
Press ↻ to scroll through the parameters *(while this key is pressed, and for 1 sec after, the parameter legend is shown, followed by the current value).*
Note: All Operator Mode parameters in Display strategy 6 are read only (see d iSP in configuration mode), they can only be adjusted via Setup mode.

Legend (for 1 sec followed by)	Value	Display Strategy and When Visible	Description	Units Display (1/8 Din Only)
Proc	PV Value*	Always	Process Variable value *Read only* Latched outputs can be reset	°C, °F or blank
MA	Max PV Value	Strategies 0, 1, 3, 4, & 6	Maximum displayed value (inc CHH or OPEN) since MA last reset. To reset, press ▽ or △ for 3 seconds, display = ---- when reset	°C, °F or blank
M in	Min PV Value	Strategies 0, 1, 3, 4, & 6	Minimum displayed value (inc CLL or OPEN) since M in last reset. To reset, press ▽ or △ for 3 seconds, display = ---- when reset	°C, °F or blank
Et i	Elapsed Time	Strategies 0, 4 & 6 if alarm 1 configured. Format mm.ss to 99.59 then mmm.s (10 sec increments) Shows CHH if >999.9	Accumulated alarm 1 active time since Et i last reset. To reset, press ▽ or △ for 3 seconds, display = ---- when reset	E
AL1	Alarm 1 Value	Strategies 2, 3, 4 & 6 if alarm 1 configured	Alarm 1 value, adjustable except in Strategy 6	1 (Alm1 only = A)
AL2	Alarm 2 Value	Strategies 2, 3, 4 & 6 if alarm 2 configured	Alarm 2 value, adjustable except in Strategy 6	2
AL3	Alarm 3 Value	Strategies 2, 3, 4 & 6 if alarm 3 configured	Alarm 3 value, adjustable except in Strategy 6	3
AL4	Alarm 4 Value	Strategies 2, 3, 4 & 6 if alarm 4 configured	Alarm 4 value, adjustable except in Strategy 6	4
AL5	Alarm 5 Value	Strategies 2, 3, 4 & 6 if alarm 5 configured	Alarm 5 value, adjustable except in Strategy 6	5
ALSt	Active Alarm Status*	When one or more alarms are active	5432 — Alarm 4 active / Alarm 2 active / Alarm 3 active / Alarm 5 active. Latched outputs can be reset	1 if alarm 1 active

Alarm Indication

ALM2 ● The Active Alarm Status screen indicates any active alarms. In addition, the associated Alarm LED flashes.
ALM2 For latching alarm outputs, the LED flashes when the alarm condition exists, and goes to ON when the alarm condition is no longer present if the output has not yet been reset.

*Resetting Latched Alarm Outputs

Any latched outputs can be reset whilst the Process variable or Alarm Status screens are displayed, by pressing the ▽ or △ key, via the Digital Input (if fitted) or with a communications command via the RS485 module (if fitted).
Note: Outputs will only reset if their alarm condition is no longer present.
**Caution:** *A reset will affect ALL latched outputs.*

Additional 1/8 Din Indicator Units Display and LED's

In Operator Mode, a Units display shows °C when °F when temperature values are shown. This display is also used in other modes as a confirmation of the parameter type currently shown in the main display. The SET **SET** LED indicator is off in Operator Mode, Flashing in Configuration Mode and ON in Set-up mode.
MIN ▼ and MAX ▲ LED's light when these stored values are shown.

Multi-Point Scaling

When enabled (MPS = EnAb), up to 9 breakpoints can be set to compensate for non-linear input signals.
For each breakpoint, the input scale value (ScAn) is entered in % of input span, followed by the value to be shown (d iSn) in display units.
Each breakpoint's input scale value must be higher than the previous value, but the display values can be higher or lower. Any scale value set to 100% becomes the last in the series.
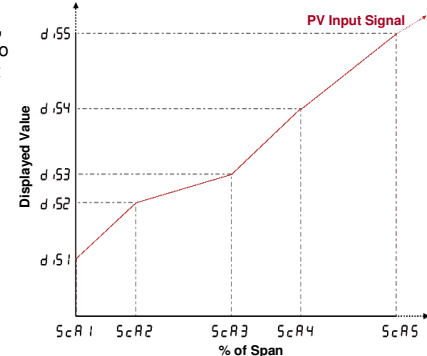
Tare Feature

When Tare is enabled (tArE = EnAb), it can be used to set the displayed value to zero automatically, by making the PV Offset parameter equal, but opposite to, the current process variable value. Tare can be initiated via the Digital Input (if fitted), with a communications command via the RS485 module (if fitted) or by using the following key press sequence:

Press ↻ until the process variable is displayed.
Hold down ▽ and △ together for three seconds until the display shows YES?
Release both keys and press △ within 3 seconds to confirm the request.
The display should read 0 briefly, then begin responding to input signal changes.

Note: Tare request is aborted if this sequence is not followed exactly.

7. PRODUCT INFORMATION MODE

First select Product information mode from Select mode (refer to section 2).
Press ↻ to view each parameter *(while this key is pressed, and for 1 sec after, the parameter legend is shown, followed by its value).* Hold down △ and press △ to return to Select mode. *Note: These parameters are all read only.*

Parameter	Legend (for 1 sec followed by)	Value	Description	Units Display (1/8 Din Only)
Input type	In i	Un i	Universal input	t
Option 1 module type fitted	OPn1	nonE	No option fitted	1
		rLY	Relay output	
		SSr	SSR drive output	
		tr i	Triac output	
		L in	Linear DC voltage / current output	
Option 2 module type fitted	OPn2	nonE	No option fitted	2
		rLY	Relay output	
		drLY	Dual Relay (outputs 2 & 4)	
		SSr	SSR drive output	
		tr i	Triac output	
		L in	Linear DC voltage / current output	
Option 3 module type fitted	OPn3	nonE	No option fitted	3
		rLY	Relay output	
		drLY	Dual Relay (outputs 3 & 5)	
		SSr	SSR drive output	
		L in	Linear DC voltage / current output	
		dc24	24V DC Transmitter power supply	
Auxiliary Option A module type fitted	OPnA	nonE	No option fitted	A
		r485	RS485 communications	
		d iG i	Digital Input	
Firmware type	FW	F	Value displayed is firmware type number	F
Firmware issue	ISS	n	Value displayed is firmware issue number	n
Product Rev Level	PrL		Value displayed is Product Revision Level	d
Manufactured Date	d0M0		Month & year of manufacture. Format mmyy	d
Serial number 1	Sn1	A	First four digits of serial number	A
Serial number 2	Sn2	b	Middle four digits of serial number	b
Serial number 3	Sn3	c	Last four digits of serial number	c

8. SERIAL COMMUNICATIONS

Refer to the full user guide (available from your supplier) for details.