$\frac{1}{8}$ DIN INDICATOR **CONCISE PRODUCT MANUAL 59471-5**

CAUTION: Installation should be only performed by technically competent personnel. Local Regulations regarding electrical installation & safety must be observed. Dynisco will not be held liable for any injury, loss or damage resulting from failure to follow the instructions in this manual

1. INSTALLATION



CAUTION: All power supply connections to the device must be removed when carrying out any form of maintenance

- 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.
- Plug the required option modules into the correct connectors, as shown below. a. Locate the module tongues in the corresponding slot on the opposite board. b
- Hold the main boards together while relocating back on 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





on leads can cause electrical shock

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 SELECT MODE Select mode is used to access the configuration and operation menu functions. It can be accessed at any time by holding down \bigcirc and pressing \triangle . The SLCE legend is shown for 1 second, followed by the legend for the cu Press \triangle or ∇ to choose the required mode, then press \bigcirc to enter. An unlock code is required to prevent unauthorised entry to Configuration, & Setup modes. Press \land or \bigtriangledown to enter the unlock code, then press \bigcirc to proceed. Default Units Legend Set Description r 1 sec Value Unlock Codes Operator Normal operation None OPtr Set Up SELP Tailor settings for application 10 20 5 Configuration SLCE ConF Configure instrument for use Product Info inFo Instrument information None LICAL Calibrate Strain Gauge input Calibration IN Note: Automatic return to Operator Mode after 2 minutes without key activity. **CONFIGURATION MODE** First select Configuration mode from Select mode (refer to section 2). Press O to scroll through the parameters. While this key is pressed, and up to 1 he parameter legend is shown, followed by the current value. Press Δ or ∇ to set the required value. Press \Im to display **JESP**, press Δ accept the change, otherwise parameter will revert to previous value. To exit from Configuration mode, hold down S and press A, 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.

Mode

seco

Parameter		Legend for 1 sec followed by	Set Value	Adjustment Hange & I Description		Default Value	Units Display	
Mode Default		dF .ቦባ	d iSA EnAb	Enables or Disabl of Values with	Enables or Disables Defaulting of Values within Mode		d iSA	
Input Range/	Туре	ωPt	See fo	llowing table for po	ssible c	odes	5£_0	ſ
Code	Input Typ Range	oe &	Code	Input Type & Range	Code	Input Rang	Type & e	
ьС	B: 100 - 18	24 ºC	LF	L: 32.0 - 999.9 °F	PEF	Pt100	: –328 - 14	72 ºF
bF	B: 211 - 33	15 ºF	nc	N: 0 - 1399 ºC	PE.[Pt100	: –128.8 -	537.7 ºC
55	C: 0 - 2320	°C	NF	N: 32 - 2551 ºF	PE.F	Pt100	: –199.9 - 9	999.9 ºF
ĹF	C: 32 - 420	8 ºF	٢C	R: 0 - 1759 ºC	0-50	0 - 20	mA DC	
JL	J: –200 - 1	200 ºC	rF	R: 32 - 3198 ⁰F	4_20	4 - 20	mA DC	
JF	J: –328 - 2	192 ºF	56	S: 0 - 1762 ºC	0.50	0 - 50	mV DC	
J.L	J: –128.8 ·	537.7 ºC	SF	S: 32 - 3204 ºF	10.50	10 - 5	0 mV DC	
J.F	J: –199.9 ·	999.9 ºF	ĿC	T: –240 - 400 ºC	0.5	0 - 5 \	V DC	
۲	K: –240 - 1	373 ºC	Ł۶	T: –400 - 752 ºF	1_5	1-5	V DC	
ΡF	K: -400 - 2	2503 °F	E.C	T: −128.8 - 400.0 ºC	0_ IO	0 - 10 V DC		
P.C	K: –128.8 -	537.7 ºC	E.F	T:−199.9 - 752.0 ºF	2_ IO	2 - 10	V DC	
<i>₽.</i> ₣ K: –199.9 - 999.9 ºF		P24C	PtRh20% vs. 40%: 0 - 1850 ºC	5£.0	-10mV-50mV			
<i>L</i> : 0 - 762 ^e C <i>L</i> : 32 - 1403 ^e F		P24F	PtRh20% vs 40%: 32 - 3362 ºF					
LL	L: 0.0 - 537	′.7 ºC	ΡΕር	Pt100: -199 - 800 °C				
Note:	Decimal p	oint show	vn in tab	le indicates temp	erature	resol	ution of	0.1°
Param	eter	Legend for 1 sec followed by —	Set Value	Adjustment Descrip	Range & tion	8	Default Value	Units Display
Scale F	Range	cul	Sca	ale Range Lower Li	imit +10	0	Max (Lin	
Upper Scale F	Limit			Bange Minimum to			= 1000) Min (Lin	
Lower	Limit	rLL	Scale Range Upper Limit -100			= 0)	L	
Decimal point dPo5		D=xxxx, I=xxx.x, (non-temperature ranges 2=xx.xx, only) B=x.xxx		0	P			
Linear Range Engineering Units Display		nonE C F	None (<i>Blank</i>), ℃ or ℉		nonE	C F		
Multi-Point rnP5		EnAb d iSA	Enables or disables the input multi-point scaling feature			d iSA	5	
			P_H ,	Process Hig	h Alarm			
Alarm 1Type RLR I		ALA I	P_Lo	Process Low Alarm		P_H .	1	
			nonÉ	No ala	rm			
High Alarm 1* PhR I		Alarm 1	value, adjustable within scaled			Max	(Alm1	
Low Al	arm 1*		1100	range, in display i			Min	only = Ħ)
Alarm 1 HHY I		1 LSD	SD to full span in display units on					

Hysteresis*			safe side of alarm		
Alarm 2Type	ALAS		Options as for clarm 1	nonE	- 2
ligh Alarm 2*	2849		Options as for alarm 1	Max	2
) or or other	Lanand	0	Adianatas ant Dan an A	Defeult	
arameter	for 1 sec	Set	Adjustment Range &	Velue	Dioploy
	followed	value	Description	value	Display
aut Alarm O*				Min	
Low Alarm 2			Options as for alarm 1	IVIIII	
Al 2 Hysteresis*	HHAG	• • •		i	=
		Hind	Alarm 1, direct, non-latching		
		8 Inr	Alarm 1, reverse, non-latching		
		A ILd	Alarm 1, direct, latching		
		A ILr	Alarm 1, reverse, latching		
		bnSR	Alarm 2, direct, non-latching		
		R2nr	Alarm 2, reverse, non-latching	rEEP for	
		821 4	Alarm 2, direct, latching	linear	
Dutput 1 Usage	use i	APLC	Alarm 2 reverse latching	outputs,	1
		הכנח	Logical Alarm 1 OB 2 direct	0	
			Logical Alarm 1 OR 2, reverse	othors	
			Any astive clarm direct	011613	
			Any active alarm, direct		
		Hnyr	Any active alarm, reverse		
		rttP	Retransmit PV Output		
		dc 10	0 to 10VDC (adjustable)		
		0 6			
		0_3			
Dutput 1 PV				0.0	
Retransmit Type	EANI	<u> </u>	2 to 10 V DC output	U_ IU	1
		0_20	0 to 20 mA DC output		
		4_20	4 to 20 mA DC output		
Retransmit OP 1	ro IH	Display	value between, -1999 & 9999 at	Range	н
Scale maximum		Which	Output I will be at maximum	Banga	
Scale minimum	ro IL	which	Output 1 will be at minimum	min	L
	<u>ρς!!</u> !	Output	1 Power Supply (0 to 10VDC)*	inn	1
	11007	Output	As for Output 1 Usage	ניט. געכם	5
Dutput 2 OSage			As for Output 1 Osage		
Retransmit Type	F7b5	A	s for Output 1 PV Retransmit Ty	pe	2
Retransmit OP2	יור	A - 4-	- Detre servit Outer to 1 Ocela Mar		
Scale Maximum	roch	AS 10	r Retransmit Output 1 Scale Ma	ximum	н
Retransmit OP2		As fo	or Betransmit Output 1 Scale Mir	nimum	1
Scale Minimum	05113			10.0	
xPSU 2 level	P502	Output	2 Power Supply (0 to 10VDC)*	10.0	٢
Dutput 3 Usage	555		As for Output 1 Usage	Hơnđ	5
Dutput 3 PV	FAb3	A	s for Output 1 PV Retransmit Ty	pe	3
Retransmit OP3					
Scale maximum	ro3H	As fo	r Retransmit Output 1 Scale Max	ximum	н
Retransmit OP3	-				
Scale minimum	Jtor	As to	or Retransmit Output 1 Scale Mir	nimum	L
TxPSU 3 level	PSU3	Output	3 Power Supply (0 to 10VDC)*	10.0	3
Display Strategy	d ,SP	0, I,	2, 3, 4 or 6 (refer to section 6)	٥	Ь
. , .,		rrLy	Reset latched relav(s)		
		LACE_	Initiate Tare (zero display)		
ogic Input		<u></u>	Reset min/max PV values		
Jsage		_ ۲	Reset Alarm 1 elansed time	rrLy	
			Beset Alarm 1 elansed time		
		- คาย	& min/max PV values		
ogic Input		CLS	Normally Closed	<u> </u>	
State	ց որգ	020_	Normally Open	115	
Config Lock	floc_	Confi	Mode lock code N to 9999	20	ſ
9	CCOC	201110			

4. SETUP MODE

Note: Configuration must be completed before adjusting Setup parameters. First select Setup mode from Select mode (refer to section 2). Press \bigcirc 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 \bigcirc or \bigtriangledown to change the value. To exit from Setup mode, hold down \bigcirc and press \bowtie 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
Mode Default	ብት .ቦባ	Enabl	es or Disables Defaulting of Values within Mode	d iSA	
Input Filter Time Constant	F .LE	OFF or 0.5 to 100.0 secs		0.5	Ł
Alarm Filter time Constant	ALFL	OFF or 0.5 to 100.0 secs		0.0	£
Input fail Mode	InPF	When ir	nput fails PV should go Low or High scale reading	ዘ "ርዞ	
Process Variable Offset	OFFS		±Span of controller	0.0	0
Raw PV value	ئ، 5	Linear i	nput value, un-scaled (mA, mV	or VDC)	blank
High Alarm 1	РҺЯ І	Alarm 1	value, adjustable within scaled	Max	(Alm1

Low Alarm 1	PLA I		range, in display units	Min	only = A
Alarm 1 Hysteresis	AHY I	1 LSD to full span in display units on safe side of alarm		-	
Parameter	Legend for 1 sec followed by	Set Value	Adjustment Range & Description	Default Value	Units Displaye
High Alarm 2	PhR2			Max	2
Low Alarm 2	PLA2		Options as for alarm 1	Min	5
Al 2 Hysteresis	8H75		1		
Scaling Breakpoint 1	ScA I	Multi-p adjusta	Multi-point scaling breakpoint 1 value, adjustable from 0 to 100 in % of span		
Display Value 1	d (S I	Value scaling	to be displayed at multi-point g breakpoint 1, in display units	Range Max	
Scaling Breakpoint 2	ScA5	Multi-po 10	bint scaling breakpoint 2, adjusta 00% of span. Must be > 5cA I va	able up to alue	2
Display Value 2	SS، ۹	Valu	e to be displayed at Multi-point breakpoint 2, in display units	scaling	
Scaling Breakpoint 3	ScR3	Multi-po 10	bint scaling breakpoint 3, adjust 00% of span. Must be > 5cR2 va	able up to alue	2
Display Value 3	9 '23	Valu	Value to be displayed at Multi-point scaling breakpoint 3, in display units		
Scaling Breakpoint 4	ScA4	Multi-po 10	Multi-point scaling breakpoint 4, adjustable up to 100% of span. Must be > 5cA3 value		
Display Value 4	54، 8	Valu	Value to be displayed at Multi-point scaling breakpoint 4, in display units		
Scaling Breakpoint 5	Scas	Multi-point scaling breakpoint 5, adjustable up to 100% of span. Must be > ScR4 value			c
Display Value 5	55، ل	Value to be displayed at Multi-point scaling breakpoint 5, in display units			C
Scaling Breakpoint 6	ScA6	ScR6 Multi-point scaling breakpoint 6, adjustable up to 100% of span. Must be >ScR5 value			c
Display Value 6	d ,56	Value to be displayed at Multi-point scaling breakpoint 6, in display units			0
Scaling Breakpoint 7	ScAl	Multi-po 10	Multi-point scaling breakpoint 7, adjustable up to 100% of span. Must be > 5cA6 value		
Display Value 7	۲۵، ۵	Valu	Value to be displayed at Multi-point scaling breakpoint 7, in display units		
Scaling Breakpoint 8	ScA8	Multi-po 10	oint scaling breakpoint 8, adjust 20% of span. Must be > 5cR7 va	able up to alue	0
Display Value 8	d ,58	Value to be displayed at Multi-point scaling breakpoint 8, in display units			0
Scaling Breakpoint 9	ScA9	Multi-po 10	oint scaling breakpoint 9, adjust 20% of span. Must be > 5cR8 va	able up to alue	
Display Value 9	59، ل	Value to be displayed at Multi-point scaling breakpoint 9, in display units			а
Tare Feature	Fure	EnRb Enables or disables the input auto-zero Tare feature d .5R			r
Setup Lock Code SLoc 0 to			D to 9999	10	5
Note: Operator mode	screens	follow.	without exiting from Setup m	ode.	

5. CALIBRATION MODE

Note: Configuration must be completed before adjusting Calibration parameters. First select Calibration mode from Select mode (*refer to section 2*). Press O 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 \triangle or ∇ to change the value. To exit from Calibration mode, hold down \bigcirc and press \triangle to return to Select mode.

Note: Calibration mode will only be displayed if input type is set to SE_G

Parameter	Legend for 1 sec followed by	Set Value	Adjustment Range & Description	Default Value
Mode Default	ብድ .ቦባ	d iSR EnRb	Enables or Disables Defaulting of Values within Mode	d iSA
Shunt Resistor	ShNE	d iSR EnRb	Enables or Disables use of shunt resistor	EnAb
Calibration Resistor Value	rCAL	40% to 100% (appears only when Shot isEnRb)		80
Start Low Calibration	C .Lo	Press \triangle and ∇ to start calibration		0.0
Start High Calibration	с.н.	Press and ♥ to start calibration making sure to apply the high range signal if ShN Ł is set d · SR (Can only be accessed once a succesful low calibration has been completed)		1000
Calibration Lock Code	rloc		O to 9999	10

Error messages meanings at the top of next column

When the calibration procedure begins ---- appears on the screen. Once Calibration is complete **donE** appears on screen.

If there are any Faults with the calibration an error message will appear either Er_r or Er_C.

Er_C means the low calibration will fail if the offset is less than -10mV or greater than +10mV. This signifies potential faulty sensors or the high calibration will fail if the count value is less than +20mV or greater than +50mV. This signifies potential faulty sensors

Er_r means the high calibration will fail if the mV value is within 10mV of the low calibration value. This is a potential RCAL failure.

6. 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

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

Parameter	Legend for 1 sec followed	Value	Description	Units Display
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 O to enter Configuration Mode, next press or ⊽ to enter the unlock code, then press O to proceed	C
Input Over Range		(HH)	Input signal is > 5% over-range	
Input Under Range		נגנט	Input signal is > 5% under-range (>10% under-range for 4 to 20mA, 1 to 5V and 2 to 10V ranges)	Ε
Input Sensor Break	Err	OPEN	Break detected in input signal sensor or wiring	
Option 1 Error		Err I	Option 1 module fault	1
Option 2 Error		ErrZ	Option 2 module fault	2
Option 3 Error		Errð	Option 3 module fault	3
Calibration	Er_r		Shunt Resistor is Faulty	
Calibration	Er_C	Hig cl	h and Low calibration points are too ose to each other for a valid reading	

Note: [HH], [LL] or OPEn may also be displayed if an incorrect input type is selected.

7. 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 5P 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
Proc	PV Value*	Always	Process Variable value Read only Latched outputs can be reset	°C, °F or blank
rnA	Max PV Value	Strategies 0, I, 3, 4, & 6	Maximum displayed value (inc CHH) or OPEN) since PAR last reset. To reset, press ♥ or ▲ for 3 seconds, display = when reset	°C, °F or blank
<i>[¹]</i> יח	Min PV Value	Strategies D, I, Э, Ч, & Б	Minimum displayed value (inc [LL] or OPEN) since ∩ in last reset. To reset, press ♥ or ▲ for 3 seconds, display = when reset	°C, °F or blank
Et 1	Elapsed Time	Strategies 0 , 4 & 6 if alarm 1 configured. Format <i>mm.ss to 99.59</i> <i>then mmm.s</i> (10 sec increments) Shows ['HH'] if >999.9	Accumulated alarm 1 active time since E → last reset. To reset, press ♥ or ▲ for 3 seconds, display = when reset	ε
AL I	Alarm 1 Value	Strategies 2, 3, 4 & 6 if alarm 1 configured	Alarm 1 value, adjustable except in Strategy 6	(Alm1 only = R)
ALS	Alarm 2 Value	Strategies 2 , 3 , 4 & 6 if alarm 2 configured	Alarm 2 value, adjustable except in Strategy 6	5
ALSE	Active Alarm Status*	When one or more alarms are active	2 —— Alarm 2 active	if alarm 1 active
			Latched outputs can be reset	

Alarm Indication

The Active Alarm Status screen indicates any active alarms. In addition, the associated Alarm LED flashes. 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 vet 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 \bigtriangledown or \bigtriangleup 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 $\hat{\mathbf{C}}$ or $\hat{\mathbf{F}}$ 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 and 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 (""PS = EnRb), up to 9 breakpoints can be set to compensate for non-linear input signals. For each breakpoint, the input scale value (**ScR***n*) is entered in % of input span, followed by the value to be shown (**d** \cdot **S***n*) 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 (**ERFE** = **EnRb**), 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 \bigcirc until the process variable is displayed. Hold down \bigtriangleup and \bigtriangleup together for three seconds until the display shows **YESP** Release both keys and press \bigtriangleup within 3 seconds to confirm the request. The display should read ${f 0}$ briefly, then begin responding to input signal changes.

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

8. PRODUCT INFORMATION MODE

First select Product information mode from Select mode (*refer to section 2*). Press D 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 D 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	
Input type	In_I	Un i	Universal input	Ł	
		nonE	No option fitted		
Uption 1 module	0Pn l	- ሬ ሃ	Relay output	1	
		Lin	Linear DC voltage / current output		
		nonE	No option fitted		
Option 2 module	- <u>-</u>	- ሬ ሃ	Relay output		
type fitted	UFAC		Dual Relay (outputs 2 & 4)	C	
		Lin	Linear DC voltage / current output		
Option 3 module	0Pn3	nonE	No option fitted	2	
type fitted		- ሬሃ	Relay output	5	
Auxiliary Option A module type fitted	OPnA	nonE	No option fitted	A	
Firmware type	Բեմ	Value di	splayed is firmware type number	F	
Firmware issue	155	Value di	splayed is firmware issue number	n	
Product Rev Level	ዮተኒ	Value displayed is Product Revision Level		r	
Manufactured Date	ctured Date d0.07 Month & year of manufacture. Format mmy		Ь		
Serial number 1	Sn I	First four digits of serial number		R	
Serial number 2	5-12	Middle four digits of serial number		Ь	
erial number 3 5n3 Last four digits of serial number		С			

9 SPECIFICATIONS

UNIVERSAL INPUT	
Strain Gauge:	350Ω , by means of 4 or 6 wire (6 to use internal Shunt
	resistor) Bridge excitation: 10VDC ± 7% Bridge Sensitivity: 2-4mV/V
	Shunt Value: From 40%to 100%
Thermeseunle	Input signal Span: -25% to 125% (Approx -10mV to +50mV)
Calibration:	±0.1% of full range, ±1LSD (±1 °C for Thermocouple CJC). BS4937. NBS125 & IEC584.
PT100 Calibration:	$\pm 0.1\%$ of full range, ± 1 LSD.
	BS1904 & DIN43760 (0.00385Ω/Ω/°C).
DC Calibration:	±0.1% of full range, ±1LSD.
Sampling Rate:	4 per second. (250ms)
Impedance: Sensor Break Detection:	>10M Ω resistive, except DC mA (5 Ω) and V (4/k Ω).
Sensor Dreak Detection.	Strain Gauge: Depending on User setting 'mrr can cause input to fail high scale or low scale reading. Reading will fail on either, Sig+ or Sig- loss, or incorrect excitation output <0.8mA and >33mA supply. Thermocouple, RTD, 4 to 20 mA, 2 to 10V and 1 to 5V ranges only. <i>High alarms activate for thermocouple/RTD</i> <i>sensor break, low alarms activate for mA/V DC sensor</i> <i>break</i> .
Isolation:	Isolated from all outputs.
	Universal input must not be connected to operator accessible circuits if single relay outputs are connected to a hazardous voltage source. Supplementary insulation or input grounding would then be required.
LOGIC INPUT	
Voltage Input:	Reset or Tare occurs on high (3 to 5VDC) to low <0.8VDC, or Open to Closed transition.
Isolation:	No isolation from inputs and other outputs.
OUTPUTS	
Relay	
Contact Type & Rating:	Single pole double throw (SPD1), latching or non-latching action (selectable); 2A resistive at 120/240VAC.
Lifetime:	>500,000 operations at rated voltage/current.
isolation.	Dasic isolation from universal input and 35h outputs.
Dual Relay	
Contact Type & Rating:	Single pole single throw (SPST), latching or non-latching action (selectable); 2A resistive at 120/240VAC.
Lifetime:	>200,000 operations at rated voltage/current.
isolation:	Reinforced safety isolation from inputs and other outputs.
	+0.25% (mA @ 2500, V @ 2k0). Degrades linearly to
loouracy.	$\pm 0.5\%$ for increasing burden (to specification limits).
Resolution:	8 bits in 250mS (10 bits in 1s typical, >10 bits in >1s typical).
Isolation:	Reinforced safety isolation from inputs and other outputs.
OPERATING CONDI	TIONS (FOR INDOOR USE)
Ambient Temperature:	$0^\circ\!\mathrm{C}$ to $55^\circ\!\mathrm{C}$ (Operating), –20 $^\circ\!\mathrm{C}$ to $80^\circ\!\mathrm{C}$ (Storage).
Relative Humidity:	20% to 95% non-condensing.
Supply Voltage and	100 to 240VAC ±10%, 50/60Hz, 7.5VA
	20 to 48VAC 50/60Hz 7.5VA or 22 to 65VDC 5W
	(for low voltage versions).
Stanuarus. FMI:	Complies with EN61326 (Susceptibility & Emissions)
Safety Considerations:	Complies with EN61010-1
····, ····	Pollution Degree 2, Installation Category II.
Front Panel Sealing:	To IP66 (IP20 behind the panel).
PHYSICAL	
Front Bezel Size:	$1/_{8}$ Din = 96 x 48mm
Depth Behind Panel:	'/ ₈ Din = 100mm.
weight:	u.∠ikg maximum.
Manufacturing site	
Address:	i në Hyde Business Park Brighton
	BN2 4JU
	United Kingdom
Symbol Explanation	



Caution general danger to life or limb