SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MAIL:szss20@163.com

∎∈mantracourt

ADP15

Versatile Indicator/Controller

Features

- Input Types for all Industry Standard Sensors
- **High Resolution**
- Very High Reliability
- Small Panel Space
- Easy Access to Electronics via front of panel
- Measurement in Any Engineering Units
- Full calibration & programming via keypad or comms import
- Peak hold
- Isolated inputs & outputs
- PID control
- Analogue outputs to all industry standards
- Relays High current
- **Printer Drive**
- Pre calibrated inputs



10 year data protection

- 3 year guarantee
- DC power options
- Communications RS232, RS485/422

Specifications

Inputs

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Input type	Input ranges available
DC Voltage	+/-20mV, +/-200mV, +/-2V,+/-20V, +/-200V
DC Current	+/-2mA, 4-20mA, +/-20mA, +/-200mA
AC Voltage	0-200mV, 0-2V, 0-20V, 0-200V
AC Current	0-1A
Temperature	Platinum Pt100, Thermocouples K, J, R, S, T, B, N, E
Strain Gauge	Resistive bridge settable +/-0.5 to +/-200mV/V, Excitation 10Vdc
Potentiometer	Any value in the range 100R to 10K
LVDT	AC excitation with signal selectable 20mV to 10V full range
Pulse	Speed, rate or total, 30 to 200,000rpm, 0.3u Secs to 200 Secs.
Angle	Quadrature shaft encoder
Dual DC	2 inputs of 4-20mA or 0-10V allowing AxB, A-B, A+B, A/B, B=set point

DC Analogue Outputs

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Order Code	Range	Order Code	Range	
V1	0 to 1V	A1	0 to 1mA	
V2	0 to 5V	A2	0 to 20mA	
V3	1 to 5V	A3	4 to 20mA	
V4	0 to 10V	A4	10 to 50mA	
V6	-10 to +10V	A5	0 to 5mA	
Max Current out 50mA		Max Voltage out 20V		
Accuracy, typical ± 0.08% of output, ± 0.08%FSD Resolution, as display resolution, max 15 bits Calibration, by 15-turn pre sets for gain and offset Inversion, By keypad value		Isolation, ±130V RMS or DC max to analogue input or to any other port Ranging, Fully keypad scalable over desired display range PID, Power level, when selected = 12 bit resolution output		

Communication Port CP Operation

All ADP15 display data can be accessed via the communications port along with relay, PID power and EEPROM status. All ADP15 user configurable data can be changed including EEPROM enable/disable and relay reset (ADP15 address code cannot be changed). **Communications Port** Details

Order Code Type COM1 RS232 COM1 RS485/422 20mA S1 Baud rates, 300, 600, 1200, 2400, 4800, 9600 (19200 MANTRABUS only)

For up to 32 instruments on 1 bus, 4 wire For up to 25 instruments per interface, 4 wire

Electrical isolation, ±130V RMS or DC max to analogue input or any other port

Formats, MANTRABUS and printer output formats

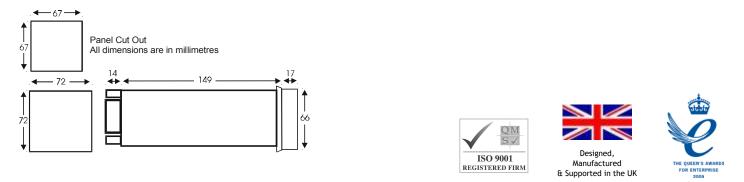
For printer or direct connection to 1 device, 3 wire

Specifications					
Alarm/Control Outputs					
	Hysteresis, Latching,	Function 1 relay on SP1 1 relay on SP1 2 relays on SP1& 2 1 relay on SP2 1 relay on SP2 Output Inversion, Delay Times, PID valund nodules (10A SPCO). Available for DC, A	ies and Time Proportioning. C, Temperature, Strain Gauge & Potentiom	eter inputs, ask for ADP15-SP16	
Power Supplies					
Order Code 240 110 12/24	Type 220V-230V AC 50-60Hz 10W 110V-120V AC 50-60Hz 10W 9-32V DC 10W isolated				
Base ADP15					
Input Filter Displays Update Rate	Programmable to average up to 64 display updates. 7 segment LED 4.5 digit 10mm.3 x 3mm LED's 2 for relay status, 1 for program and hold indication. Up to 10 updates per second				
Controls					
4 membrane panel keys with tactile feedback. 1 scroll key to view/update parameter. 1 digit select key. 1 digit increment key. 1 reset key. Keypad disable by internal links behind front panel. Hold function by digit select key when in input mode.					
Data Retention/Protect	tion				
Retention: Protection of data and function(s):		10 years for set up values, minimum of 100,000 write cycles. Watchdog timer giving repeat auto resets. Impending power detection and hold off. Keypad security and time out.			
CE & Environmental					
Storage temperature Operating temperature Relative humidity		-20 to +70°C -10 to 50°C 95% maximum non condensing	European EMC Directive Low Voltage Directive	2004/108/EC 2006/95/EC	
Other Options & Access	sories				
Panel Mounting or Din Rail Mou One pass calibration 20mA PC Communications Inter	•	VisualLink PC SCADA Software Analogue Totaliser (Integrator)			

Physical	
Case Dimensions Case Material	
Weight	
Terminals	

Accessibility

DIN 72 x 72 x 163mm (excluding mounting terminal) Grey Noryl, flame retardant 750 grams 2.5mm, saddle field terminals All electronics removable through front panel leaving field wiring and case in situ.



CE In the interest of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice.

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