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Indicator-controler cu potentiometru ADP15-POTENTIOMETER



Indicator-controler cu potentiometru ADP15-POTENTIOMETER Producator: LCM Systems ADP15-POTENTIOMETER Potentiometer Input Digital Indicator and Controller

Descriere

ADP15-POTENTIOMETER Potentiometer Input Digital Indicator and Controller

Features :

- Microprocessor based design
- Full calibration & programming via keypad & communications import
- 4½ digit scaling
- Isolated inputs & outputs
- 3 year guarantee
- PID Control
- Any potentiometer
- Angular measurement
- Position measurement

The ADP15-POTENTIOMETER range of products is very versatile, accepting a wide range of different signal input types and ranges.

The ADP15-POTENTIOMETER's flexibility makes it the first choice for many control system designers. Supporting products like PC software, printers, and sensors, means most customers can deal with a single supplier.

Outputs include:-

Analogue voltage and current, Industry standard digital communications, Relays, Printer Drive

Options and Accessories include:

Panel mounting via DIN rail mounting

Power supplies for 110/230 V AC or 9-32V DC

Communications for Printer, PLC or PC

The ADP15-POTENTIOMETER can be supplied as part of a system, and will interface directly with LCM Systems potentiometric sensors, including the PD13. Please contact our technical department to discuss your application.

Specification :

Input Type	Input Ranges	Order code
Potentiometer	Any value in the range 100R to 10K	RL
Outputs	Details	Order code

0 to 10V		V4
4-20mA		A3

Input Type

Input Ranges

Order code

Outputs

Details

Order code

Other Information	
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

Other Information

Communications Port	Details	Order code
RS485/232	RS485 - For up to 32 instruments on 1 bus, 4 wire RS232 - printer or direct connection to 1 device, 3 wire	COM 1

Communications Port

Details

Order code

Other Information	
Baud rates	300, 600, 1200, 2400, 4800, 9600 (19200 MANTRABUS only)
Electrical isolation	±130V RMS or DC max to analogue input or any other port
Formats	MODBUS RTU, MANTRABUS and printer output formats

Other Information

Alarm/Control	Outputs	Details Order code
DPCO	1 relay on SP1	R2
SPCO	2 relays on SP1& 2	R3

Alarm/Control

Outputs

Details Order code

Other Information	
Relays	230V at 5A AC resistive
Isolation	±130V RMS
Keypad Programmable values and options	Hysteresis, Latching, Output Inversion, Delay Times, PID Time Proportioning.
16 relay option can be supplied on external DIN rail modules (10A SPCO). Available for DC, AC, Temperature, Strain Gauge & Potentiometer inputs, ask for ADP15-SP16	

Other Information

Power Supplies	Details	Order code
240	220V-230V AC 50-60Hz 10W	240
110	110V-120V AC 50-60Hz 10W	110
12 & 24V	9-32V DC 10W isolated	12/24

Power Supplies

Details

Order code

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).

Communication Port CP Operation

Other Options & Accessories
One pass calibration
20mA PC Communications Interface (IF25)
VisualLink PC SCADA Software
Analogue Totaliser (Integrator)

Other Options & Accessories

Base ADP15	
Input Filter	Programmable to average up to 64 display updates.
Displays	7 segment LED 4.5 digit 10mm.3 x 3mm LED's 2 for relay status, 1 for program and hold indication.
Update Rate	Up to 10 updates per seconds

Base ADP15

Controls	
4 membrane panel keys	Scroll key to view/update parameter.
	Digit select key.
	Digit increment key.
	Reset key.
	Keypad disable by internal links behind front panel.

	Hold function by digit select key when in input mode.

Controls

Data Retention/Protection	
Retention	10 years for set up values, minimum of 100,000 write cycle
	Protection of data and function(s) Watchdog timer giving repeat auto resets
	Impending power detection and hold off.
	Keypad security, and time out.

Data Retention/Protection

CE & Environmental	
Storage temperature	-20 to +70ºC
Operating temperature	-10 to 50°C
Relative humidity	95% maximum non condensing
Safety/Low Voltage Directive	2006/95/EC
EMC Directive	2004/108/EC

CE & Environmental

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

Physical

Caracteristici tehnice

Caracteristică	Detalii
Mounting Type	Order code
Front Panel	P
Din Rail Adaptor	D