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Indicator-controler dual de tensiune si curent de intrare ADP15-DI



Indicator-controler dual de tensiune si curent de intrare ADP15-DI Producator: LCM Systems
ADP15-DI Dual Current and Voltage Input Digital Indicator and Controller

Descriere

ADP15-DI Dual Current and Voltage Input Digital Indicator and Controller

Features :

- Dual DC Voltage 0V to 10V or Dual DC Current 4mA to 20mA
- Microprocessor based design
- Peak hold
- Independent scaling of each input
- Full calibration & programming via keypad & communications port
- Isolated wide range AC & DC powering
- Isolated analogue outputs
- Input signal relationships include:- (A+B) (A/B) (A-B) (AxB) and A = process, B + set point value with scaling factor
- 4½ digit high resolution

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

The ADP15-DI 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-DI can be supplied with a wide range of different sensors from the LCM Systems range and can be combined with other instrumentation. Please consult the LCM technical department to discuss your application.

Specification :

Input Type	Input Ranges	Order Code
DC Voltage	Dual 0-10V	DIV
DC Current	Dual 4-20mA	DIA

Input Type

Input Ranges

Order Code

Outputs (analogue)	
0 to 10V	V4
4-20mA	A4

Outputs (analogue)

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

Other Information

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

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	Hysteresis, Latching, Output Inversion, Delay Times
PID values and options	Time Proportioning.

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

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