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Indicator-controler 16 trepte de reglaj ADP15-SP16



Indicator-controler 16 trepte de reglaj ADP15-SP16 Producator: LCM Systems ADP15-SP16 Indicator and Controller with up to 16 set points

Descriere

ADP15-SP16 Indicator and Controller with up to 16 set points

Features :

- Up to 16 Set Points, programmable from ADP15 keypad
- 4 and 8 relay DIN rail module
- Individual set points & hysteresis values
- Selectable set point quality
- Relay contact rating 230V @ 5A AC
- PID Control
- Programmable output actions

The DIN rail mounted remote relay units offer an increased number of set points over that provided by a standard ADP15 indicator/controller. This allows for multi action operations.

The software of the ADP-SP16 gives the user freedom to program the number of set points for their requirements. A single ADP-SP16 will control up to 16 set points, programmed from its front panel. Set points can be individually set up with In Flight compensation and hysteresis values. Separate 'Output Latch' and 'Output Action' for up to 14 of the 16 set points is available, settable from the front panel of the ADP-SP16. A special mnemonic allows the user to specify the number of set points to be used.

A DIN rail mounted power supply unit is required where more than 4 set points are to be used. The units are driven from the ADP-SP16 via an internal special remote driver board. All relays are pluggable and connections are made via field screw terminals.

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.

Software Options include:- Power Factor Printers DP data only and TDP for real time/date. Printers DP data only and TDP for real time/date.

Specification :

DC Analogue Outputs	Order code
0 to 10V	V4
4-20mA	A3

DC Analogue 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

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
Cable Length	1km (depending on baud rate)

Other Information

Alarm/Control Outputs	Details	Order code
SPCO	4 relay module	REM4
SPCO	8 relay module (PSU required)	REM8
PSU	Power supply for REM8 module	REMPSU
REM cable	REM to REM cable (req. for additional REM units)	REMC2

Alarm/Control Outputs

Details

Order code

Other Information	
Relays	230V at 5A AC resistive
Isolation	±130V RMS
Keypad Programmable	Hysteresis, Latching, Output Inversion.

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

Mounting Type	Order code
Front Panel	P
Din Rail Adaptor	D

Mounting Type

Order code

Communication Port CP Operation
All display data can be accessed via the communications port along with relay and EEPROM status. All user configurable data can be changed including EEPROM enable/disable and relay reset (address code cannot be changed).

Communication Port CP Operation

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

Other Options & Accessories

Base ADW15	
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 ADW15

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
Input Type	Details
Calibration	Automatic digital by use of keypad and 1 (or 2) known weights. Manual calibration can also be selected
Auto Tare	By pressing keys b and then 'R' , display will zero. Auto tare value can also be viewed and manually changed if required. Auto tare value is retained on power down.
Sensitivity	Preset via DIL switches between ±0.5 to ±200mV/V
Excitation	10V DC nominal, 150mA maximum
Compensation	By ± sense wires to compensate for cable, connection volt drops and any variation in 10V supply
Accuracy	90 days ± 0.08% of reading ± 0.05% of FS typical

Drift	0.002%ºC typical @ 2.5mV/V