

### SALIENT FEATURES

- Input from sensor / transmitter.
- ON / OFF control output.
- 4 digit LED 0.5" 7-seg Red LED Tripple display.
- User friendly calibration through software.
- The control points are settable through key pad on front fascia.
- Cold junction compensation for TC input.
- Open Sensor detection.



### DESCRIPTION

Electronet's Series DPC-300 are Three Channel Process Indicator / Controllers with individual PV displays with builtin memory for peak value data specially designed for various industrial applications. These can be used for monitoring and controlling parameters like Temperature, Humidity, Pressure, Flow, Speed, Level etc. with the help of proper Sensors / Transmitters. The control points are settable through the keypad on front fascia and control output is available at the rear end.

### TECHNICAL SPECIFICATIONS

Input	: 1) RTD, Pt 100 - 3 wire	2) Thermocouple (J, K, R, S, T, B, E)
	3) Current (0-20 mA / 4-20 mA)	4) Voltage (0-5 V / 1-5V)
	5) Frequency (0-10 KHz)	
Display	: 4 digit, 0.5", 7 seg. Red LED X 3	
Range	: Programmable from front keypad from -1999 to 9999 counts for current input	
Resolution	: Programmable upto 0.001 for Current & Voltage Inputs	
Engineering Unit	: As per requirement	
Accuracy	: Better than $\pm 0.1\%$ F. S., $\pm 1$ digit	
Type of Control	: ON / OFF	
Alarm Output	: Potential free Relay Contacts - for High & Low	
Contact Rating	: 1 c/o, 1 Amp. @ 230 V AC	
Builtin Memory	: Non-Volatile Memory for data retention of Peak Value (Optional)	
Open Sensor Indication	: 'Open' on display for RTD & TC input	
Power Supply	: 1) 230 / 110 / 24 V AC, 50 Hz single phase $\pm 10\%$	
Transmitter Supply	: 24 V DC, 30 mA (Optional)	
Power Consumption	: Less than 20 VA	
Temperature Drift	: Less than 0.01% of F. S. per $^{\circ}\text{C}$ change	
Isolation	: 1.4 KV between Input, Output & Power Supply	
Response Time	: Less than 100 mSec	
Enclosure	: Sheet steel, power coated	
Dimensions	: 1) 96 mm (W) x 96 mm (H) x 160 mm (D)	
Mounting	: Flush of the Panel	
Weight	: 2 Kg. (Approx.)	
Operating Temperature	: 0 - 55 $^{\circ}\text{C}$	
Humidity	: 10 to 90% non condensing	

## CODIFICATION FOR DPC 300

CODE INPUT  
 01 : PT-100 RTD 3-WIRE  
 02 : THERMOCOUPLE (J,K,R,S- PLEASE SPECIFY ONE TYPE)  
 03 : 4-20mADC

CODE ALARM OUTPUT  
 01 : NONE  
 02 : HIGH  
 03 : LOW  
 04 : HIGH & LOW

CODE TRANSMITTER SUPPLY  
 01 : NONE  
 02 : 24 V DC, 30 mA

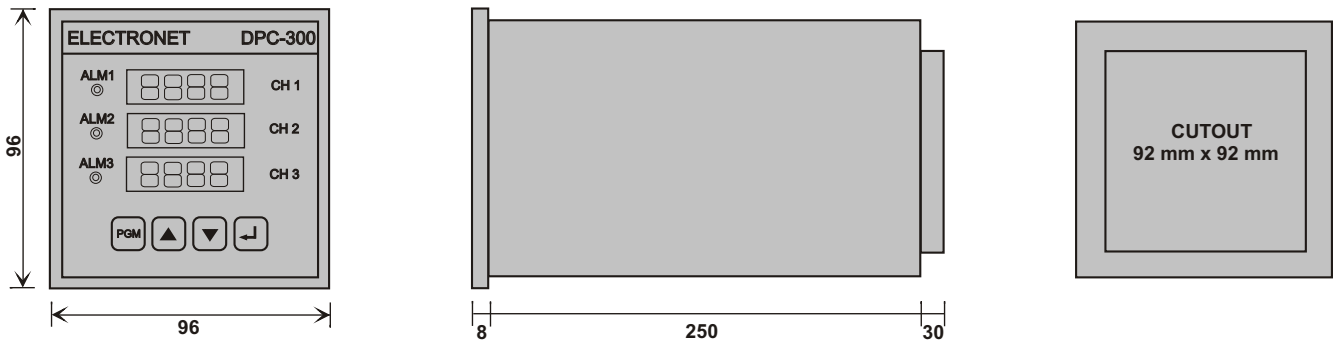
CODE MEMORY BACK-UP  
 01 : REQUIRED  
 02 : NOT REQUIRED

CODE POWER SUPPLY  
 01 : 110 V AC  
 02 : 230 V AC  
 03 : 24 V AC

DPC 300 02 03 01 01 02

SAMPLE MODEL NUMBER

## MOUNTING DETAILS



Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY


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