

SALIENT FEATURES

- Input from sensor / transmitter.
- ON / OFF control output.
- 4 digit LED 0.5" 7-seg Red LED 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-200 are Process Indicator / Controllers specially designed for various industrial applications. These can be used for monitoring and controlling parameters like Temperature, 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. Optionally Communication port available on request.



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	:	1) 4 digit, 0.5", 7 seg. Red LED	
Range	:	Programmable from front keypad from -1999 to 9999 counts	
Engineering Unit	:	As per requirement	
Accuracy	:	Better than $\pm 0.1\%$ F. S., ± 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	
Open Sensor Indication	:	1) 'Open' on display for RTD & TC input	
Retransmission Output	:	1) 4 to 20 mA DC Isolated / Non-isolated	
		2) 1 to 5 V DC Isolated / Non-isolated	
Power Supply	:	1) 230 / 110 / 24 V AC, 50 Hz single phase $\pm 10\%$	
		2) 24 V DC	
Transmitter Supply	:	5 - 24 V DC, 30 mA	
Power Consumption	:	Less than 10 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)	
		2) 72 mm (W) x 144 mm (H) x 160 mm (D)	
Mounting	:	Flush of the Panel	
Weight	:	1 Kg. (Approx.)	
Operating Temperature	:	0 - 55 $^{\circ}\text{C}$	
Humidity	:	10 to 90% non condensing	

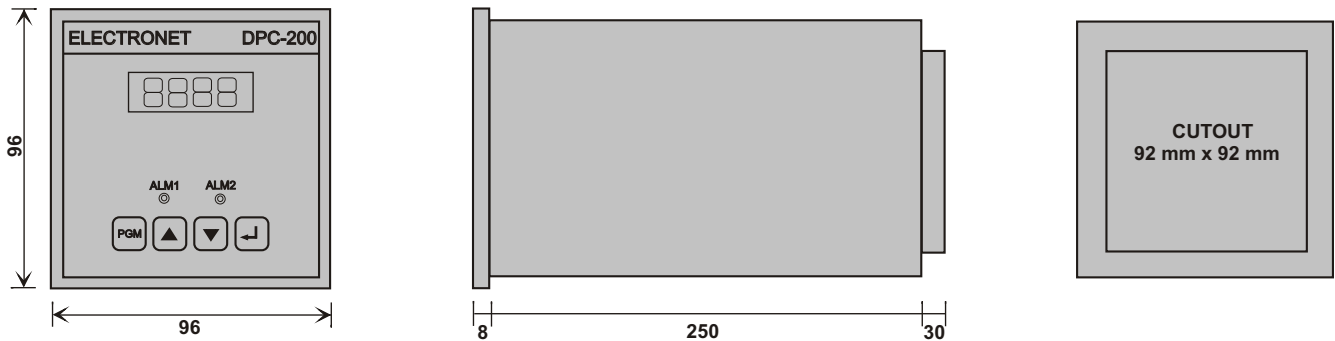
CODIFICATION FOR DPC 200

CODE	INPUT					
01	: PT-100 RTD 3-WIRE					
02	: THERMOCOUPLE					
03	: 4-20MADC					
		CODE	ALARM OUTPUT			
		00	: NONE			
		01	: HIGH			
		02	: LOW			
		03	: HIGH & LOW			
				CODE	RETRANSMISSION OUTPUT	
				00	: NONE	
				01	: 4 TO 20 MA DC, ISOLATED	
				02	: 1 TO 5 V DC, ISOLATED	
				CODE	COMMUNICATION PORT	
				00	: NONE	
				01	: RS 232	
				CODE	TRANSMITTER SUPPLY	
				00	: NONE	
				01	: 24 V DC, 30 MA	
				CODE	POWER SUPPLY	
				01	: 110 V AC	
				02	: 230 V AC	
				03	: 24 V AC	

DPC 200 02 03 01 02 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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