

DPC 200

DUAL INPUT PROCESS INDICATOR



Features

- ON/OFF controller
- Dual Channel
- Universal Input
- Open Sensor Indication
- Software Calibration
- Cold junction Compensation for thermocouple input



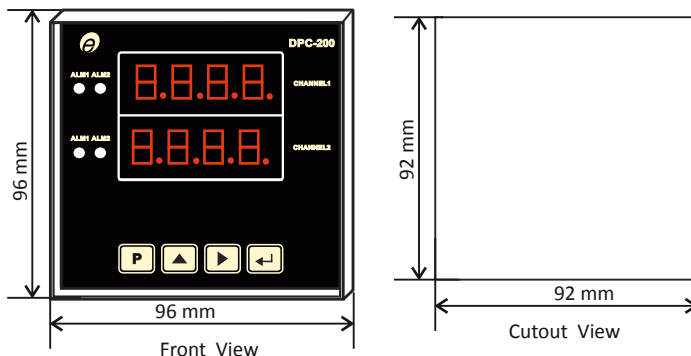
Description

Electronet Series DPC-200 is universal input, dual channel Process Indicator / Controller specially designed for various industrial applications. These can be used for monitoring and controlling parameters like Temperature, Humidity, Pressure, Flow, Level etc. The measuring range and control points are settable through the keypad on front fascia and control output is available at the rear terminals. Retransmission output & communication port are additive features of DPC-200.

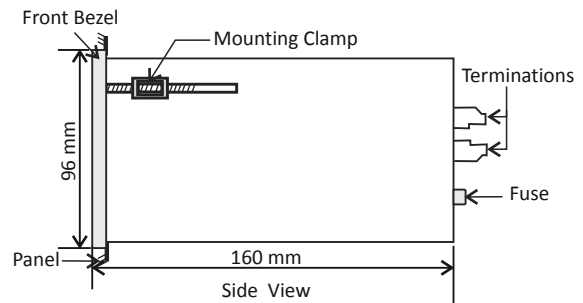
Technical Specifications

Performance Characteristics	
Type of Control	ON / OFF
No. of Input	02 Nos.
Input	1) Universal 2) RTD (PT-100 / PT-200) 2 or 3 Wire 3) Thermocouple (J / K / R / S / T / B / E Type) 4) Current (0-20 mA / 4-20 mA) 5) Voltage (0-5 V DC / 1-5 V DC / 0 - 0.1V DC)
Display	4 x 2 Digit, 0.5", 7 Segment Red LED
Range	1) Programmable for mA & Voltage (-999 to +9999) 2) Fixed for all types of RTD & Thermocouple
Accuracy	1) For R, S & B type Thermocouple, better than $\pm 0.5\%$ of F. S. 2) For rest inputs, better than $\pm 0.25\%$ of F. S.
Open Sensor Indication	'OPEN' on display for RTD & Thermocouple input
Power Supply	1) 90 - 250 V AC 2) 24 V DC (+/- 10%)
Power Consumption	< 10 VA
Temperature Drift	< 0.01% of F. S. per °C change
Response Time	< 200 mSec
Isolation	1.4 KV between Input, Output & Power Supply
MOC Electronics Enclosure	1) DIN Standard 2) Field Mount IP-65 3) Flameproof (CMRI IIA, IIB Certified)
Base Size	96 (H) x 96 (W) x 160 (D) in mm approx. for DIN STD. Enclosure
Mounting	Flush of the Panel for DIN STD & Wall mount for WP / FLP Enclosure
Weight	1 kg (Approx.)
Operating Conditions	Temperature -20 to 70 °C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Power Supply	24 V DC 30 mA, 24 V DC 100 mA
Retransmission Output	4 - 20 mA / 0 - 5 V, Isolated
Alarm Output	Potential free Relay Contact - 4 Nos. (1 c/o, 1A @ 230 V AC) Individual Configuration for high, low
Communication Port	RS485 / RS232 supporting MODBUS RTU protocol

Assembly Overview



Installation Drawing



Ordering Information

Sample Order Code : DPC-200-A1-B1-C1-D1-E1-F1-G1-H1-I1

Parameter		Code	Description
A	Electronics Enclosure	A1	DIN Standard
		A2	Field Mount IP-65
		A3	Flameproof (CMRI IIA, IIB Certified)
B	Input Power Supply	B1	90 - 250 V AC
		B2	24 V DC (+/- 10%)
C	Input 1	C1	4 to 20mA
		C2	0 to 5V
		C3	1 to 5V
		C4	RTD
		C5	Thermocouple
		C6	Current
		C7	Voltage
		C8	Universal
		CY	Other
D	Input 2	D1	4 to 20mA
		D2	0 to 5V
		D3	1 to 5V
		D4	RTD
		D5	Thermocouple
		D6	Current
		D7	Voltage
		D8	Universal
		DY	Other

Parameter		Code	Description
E	Output 1	E1	4 to 20 mA
		E2	0 to 5V
		EX	NA
F	Output 2	F1	4 to 20 mA
		F2	0 to 5V
		FX	NA
G	Alarm or Relay Output (Max. 2 Per Channel)	G1	1 Relay Output
		G2	2 Relay Output
		G3	3 Relay Output
		G4	4 Relay Output
		GX	NA
H	Transmitter Power Supply	H1	24 V DC 100 mA
		H2	24 V DC 30 mA
		HX	NA
I	Communication Output 1	I1	RS485 (MODBUS RTU)
		IX	NA
Note : - Due to our continuous product revisions, design specification and model numbers are subject to change without notice. - Accuracy defined at Lab Conditions. - For other requirement please consult factory. - Sensor & other accessories to be ordered separately. - This product is meant for laboratory/Process application only and not for custody transfer application.			

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