

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

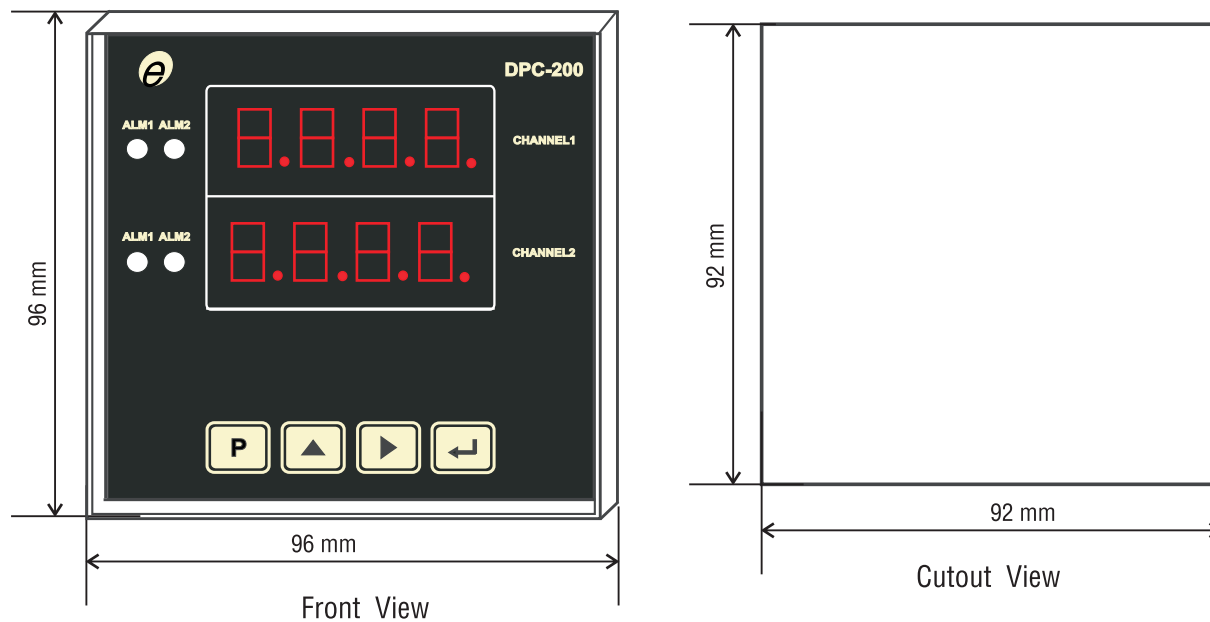


Electronet Series DPC-200 is universal input, dual channel Process Indicator / Controller specially designed for various industrial applications. These can be used for monitoring and controlling parameters like Temperature, Humidity, Pressure, Flow, Level etc. The measuring range and control points are 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.

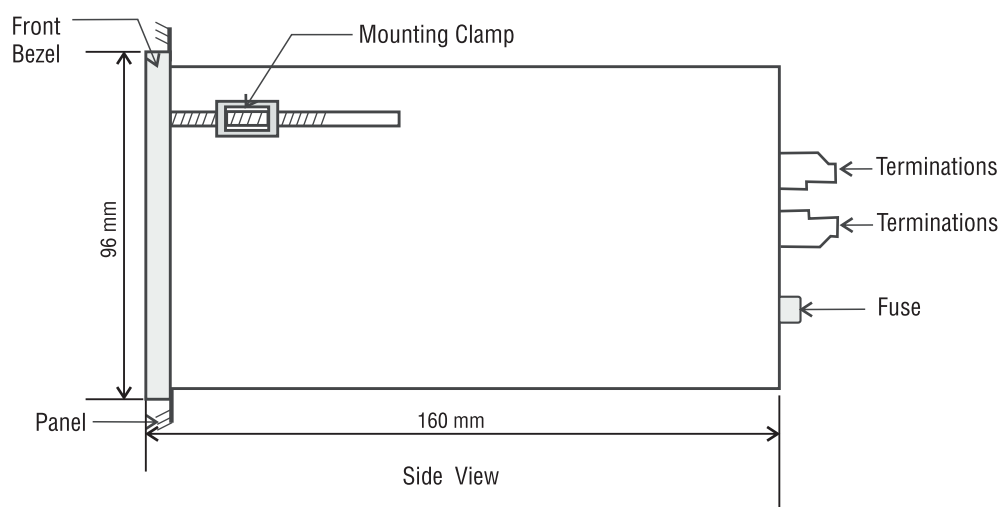
Technical Specifications

Type of Control	ON / OFF
No. of Input	02 Nos.
Input	Universal
	1) RTD (PT-100 / PT-200) 2 or 3 Wire
	2) Thermocouple (J / K / R / S / T / B / E Type)
	3) Current (0-20 mA / 4-20 mA) 4) 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) 24 V DC 2) 90 - 250 V AC, 50 Hz
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
Enclosure	1) DIN STD.
	2) Weatherproof, IP-65
Dimensions	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 55 °C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Supply	24 V DC, 30 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	RS 485 / RS 232 supporting MODBUS RTU protocol

Dimensional Details



Installation Drawing



Ordering Information

Sample Order Code : 29A-44J-45J-52B-53A-57A-58B-59B-60B

	Parameter	Code	Value
29	Electronics Enclosure	29A	DIN
		29B	Weather Proof
		29C	Flame Proof
44	Input 1	44F	4 to 20mA
		44G	0 to 5V / 1 to 5V
		44J	RTD
		44K	Thermocouple
		44M	Current
		44N	Voltage
		44O	Universal
		44X	Other
45	Input 2	45F	4 to 20mA
		45G	0 to 5V / 1 to 5V
		45J	RTD
		45K	Thermocouple
		45M	Current
		45N	Voltage
		45O	Universal
		45X	Other
52	Alarm Output	52A	1 Alarm
		52B	2 Alarm
		52C	3 Alarm
		52D	4 Alarm
		52Y	None

	Parameter	Code	Value
53	Communication Output 1	53A	RS 485
		53B	RS 232
		53Y	None
57	Retransmission Output 1	57A	4 to 20 mA
		57B	0 to 5V
		57Y	None
58	Retransmission Output 2	58A	4 to 20 mA
		58B	0 to 5V
		58Y	None
59	Transmitter Power Supply	59B	24V DC, 30 mA
		59Y	None
60	Input Power Supply	60A	90 to 250V AC
		60B	24V DC

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.

Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

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