

Features

- ON/OFF controller
- Single Channel
- Universal Input
- Open Sensor Indication
- Software Calibration
- Cold junction Compensation for thermocouple input
- 0.8" Seven Segment LED Display



Description

Electronet Series DPC-808 is universal input 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. Low cost design in compact size with large display height is additive feature of DPC-808.

Technical Specifications

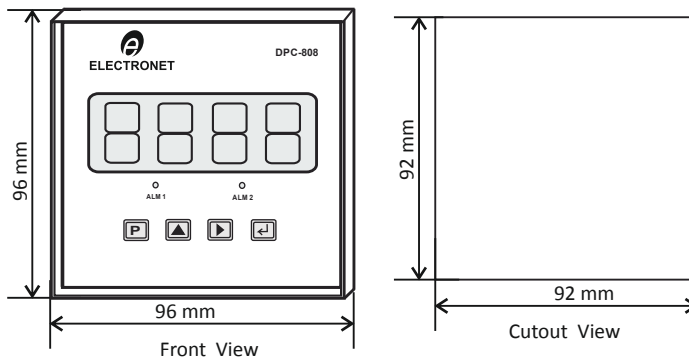
Performance Characteristics	
Type of Control	ON / OFF
No. of Input	01 No.
Input	1) Universal 2) RTD (PT-100 / PT-200) 2 or 3 Wire 3) Thermocouple (J / K / R / S / T / B / E Type) 4) Current (0-20 mA / 4-20 mA) 5) Voltage (0-5 V DC / 0 - 0.1V DC)
Display	4 x 1 Digit, 0.8", 7 Segment Red LED
Range	1) Programmable 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 & TC 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 $^{\circ}\text{C}$ change
Response Time	< 200 mSec
MOC Electronics Enclosure	1) DIN Standard 2) Weather Proof IP 66 3) Flame Proof CMRI Certified
Bazel Size	1) 96 (H) x 96 (W) x 160 (D) in mm approx. for DIN STD. Enclosure 2) 48 (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	500 gms. (Approx.) for 48 X 96, Less than 1 Kg for 96 X 96
Operating Conditions	Temperature -20 to 70 $^{\circ}\text{C}$ / 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 - 2 Nos. (1 c/o, 1A @ 230 V AC) Configurable for high & low
Communication Port	RS485 / RS232 with MODBUS RTU Protocol

DPC 808

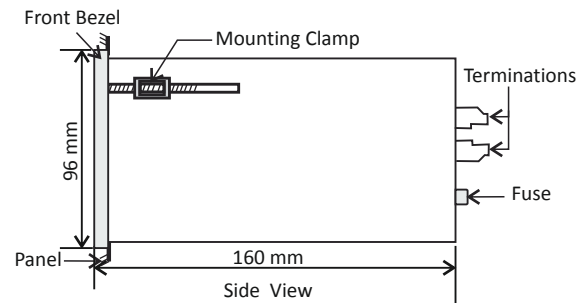
UNIVERSAL INPUT PROCESS INDICATOR



Assembly Overview



Installation Drawing



Ordering Information

Sample Order Code : DPC-808-A1-B1-C1-D1-E1-F1-G1-H1

Parameter	Code	Description	Parameter	Code	Description
A	Electronics Enclosure	A1	DIN Standard	E	Output 1
		A2	Field Mount IP-65		
		A3	Flameproof (CMRI IIA, IIB Certified)		
B	Bazel Size	B1	48 mm X 96 mm	F	Alarm or Relay Output
		B2	96 mm X 96 mm		
C	Input Power Supply	C1	90 - 250 V AC		
		C2	24 V DC (+/- 10%)	G	Transmitter Power Supply
D	Input 1	D1	4 to 20mA		
		D2	0 to 5V		
		D3	1 to 5V	H	Communication Output 1
		D4	RTD		
		D5	Thermocouple	Note :	Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
		D6	Current		
		D7	Voltage		
		D8	Universal	Note :	Accuracy defined at Lab Conditions.
		DY	Other		
E	Output 1	E1	4 to 20 mA		
		E2	0 to 5V	F	Alarm or Relay Output
		EX	NA		
F	Alarm or Relay Output	F1	1 Relay Output		
		F2	2 Relay Output	G	Transmitter Power Supply
		FX	NA		
G	Transmitter Power Supply	G1	24 V DC 100 mA		
		G2	24 V DC 30 mA	H	Communication Output 1
		GX	NA		
H	Communication Output 1	H1	RS485 (MODBUS RTU)	Note :	For other requirement please consult factory.
		HX	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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