

DPC 808

UNIVERSAL INPUT PROCESS INDICATOR

Features

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



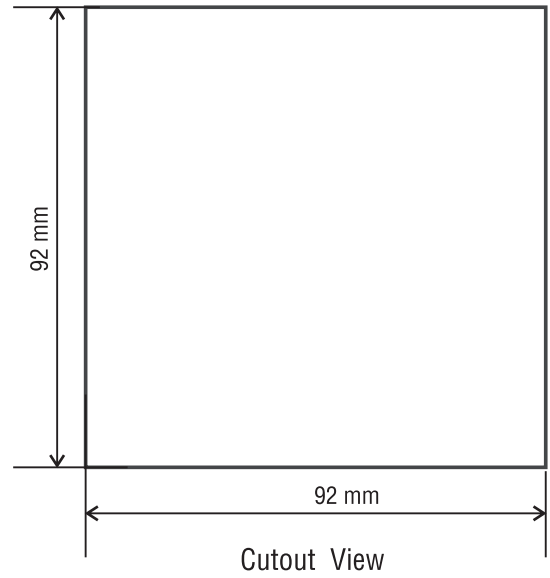
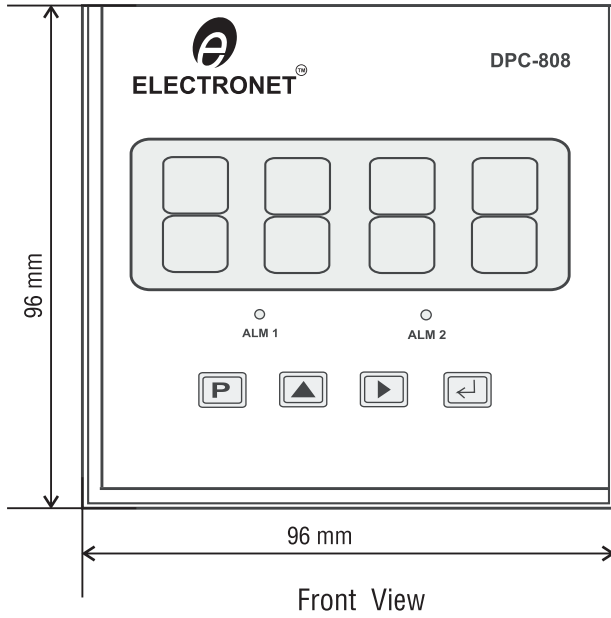
Description

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.

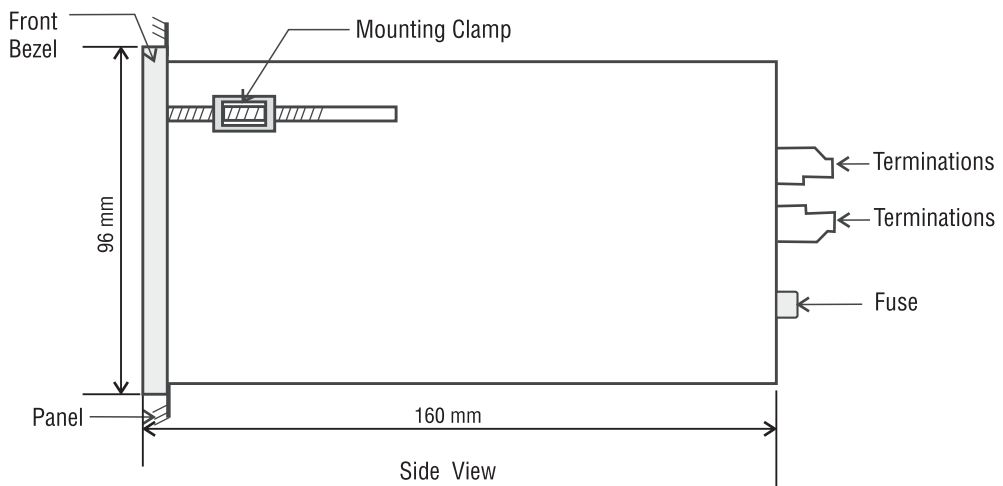
Technical Specifications

Type of Control	ON / OFF
No. of Input	01 No.
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)
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) 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
Enclosure	1) DIN STD.
	2) Weatherproof, IP-65
	3) Flameproof
Dimensions	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 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 - 2 Nos. (1 c/o, 1A @ 230 V AC) Configurable for high & low
Communication Port	RS 485 / RS 232 with MODBUS RTU Protocol

Dimensional Details



Installation Drawing



Ordering Information

Sample Order Code : 28B-29A-43K-52B-53C-57A-59Y-60A

Parameter	Code	Value	Parameter	Code	Value		
28	Bazel Size	28B	48mm (H) x 96mm (W)	53	Communication Output 1	53A	RS 485
		28C	96mm (H) x 96mm (W)			53B	RS 232
29	Electronics Enclosure	29A	DIN			53C	GSM
		29B	Weather Proof			53Y	None
		29C	Flame Proof	57	Retransmission Output 1	57A	4 to 20 mA
43	Input	43F	4 to 20mA			57B	0 to 5V
		43G	0 to 5V / 1 to 5V			57Y	None
		43J	RTD	59	Transmitter Power Supply	59B	24V DC, 30 mA
		43K	Thermocouple			59Y	None
		43M	Current	60	Input Power Supply	60A	90 to 250V AC
		43N	Voltage			60B	24V DC
		43O	Universal			52	Alarm Output
43X	Other	52B	2 Alarm				
						52Y	None

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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