

### 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., $\pm 1$ 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                                 |                                       |

