

DPC 965M



Features

- ☞ Ruggedised, State-of-the-art Micro-controller based system.
- ☞ 4 ½ Digit, ½ inch LED display.
- ☞ Signal Re-transmission.
- ☞ Settable Hysteresis for two/ four relays.
- ☞ User configurable span.
- ☞ Serial Communication on RS 485 with Modbus RTU protocol.
- ☞ Ideal for SCADA applications.
- ☞ Flameproof enclosure - Optional.

Application

DPC 965M is intended to be used for indication and control application.

7 segment RED LED display makes it visible from long distance.

4 ½ digit resolution gives accuracy as high as $\pm 0.3 \% \pm 1 \text{ LSD}$.

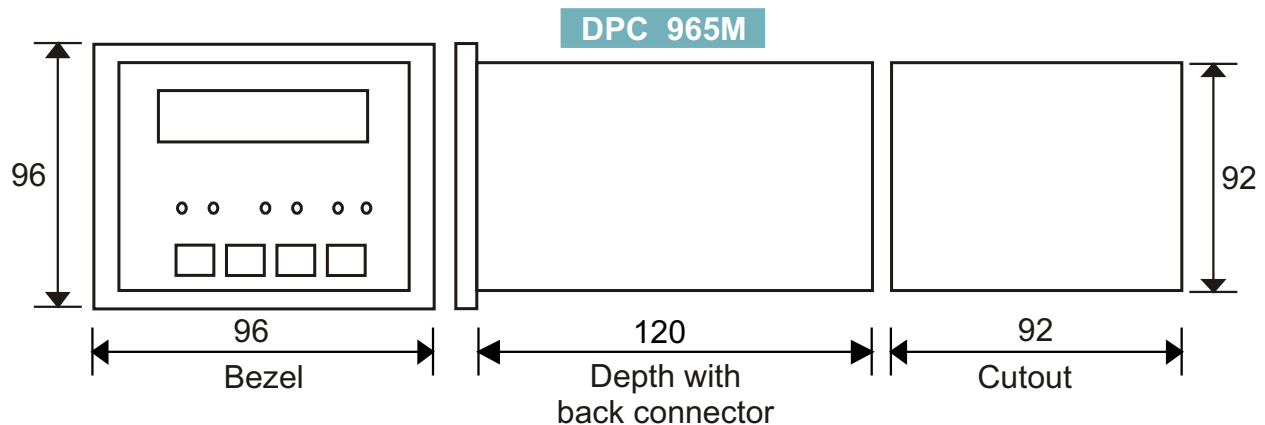
Unit accepts 4 - 20 mADC linear input, the most commonly used signal in process industry or RTD Pt100. In case of other inputs we can provide appropriate converters

Optional

- Two/ four relays operating on separate set points and hysteresis is settable.
- Serial port RS 485 with MODBUS RTU protocol gives the user facility to connect the unit on all standard SCADA and DCS.
- 4-20mA Retransmission output for remote display or PLC can be provided for 4-20mA input type.

Dimensional drawing

All dimensions are in mm



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TECHNICAL SPECIFICATIONS

Input	4- 20 mA DC linear / RTD Pt100 3 wire
Display	7 segment LED, 5 digit process value. Display Size = ½ ”
Keyboard	4 key tack-tile keyboard
Scaling (mA or Volt input)	Process value is scalable by software with Decimal point selection. For RTD Pt100 scaling factory set.
Relay Outputs Optional	2 / 4 relay outputs, contact rating 230VAC, 1Amp operating on 2 / 4 set-points with settable hysteresis.
Supply	230VAC / 110VAC , ±10 % , single phase, 50 Hz
Accuracy	± 0.3 % of FSR ± 1 LSD
Resolution	4 ½ Digit. 0.1°C resolution for RTD.
Indications	3 mm LED indication for Relay and serial operation
Retransmission Output (Optional)	4-20 mA true Retransmission Output for remote indicator or PLC. This feature is available only for 4-20mA input.
Transmitter Power Supply	24 VDC, 100 mA power supply is made available for the external transmitter, for 4-20mA input type only.
Data Storage	All settings are stored in a battery backed RAM.
Serial Communication Optional	On line PC connectivity through SERIAL port RS485 on MODBUS protocol.
Connections	On Screw type connectors
Cabinet	Panel mounting ABS enclosure Size -- 96 x 96 x 120 mm (H x W x D) Cutout -- 92 x 92 mm

ORDERING INFORMATION

DPC 965M- Sx- Ix- Cx- OX- RTx- Ex

S = Supply; 0= 230VAC; 1= 110VAC
I = Input; 0= 4-20mA; 2= RTD Pt100
C = Communication; 0= No; 1= Yes
O = Relay Output; 0= No; 1= 2; 2= 4
RT = Retransmission; 0= No; 1= Yes
E = Enclosure; 0= Panel Mounting; 1= Flameproof

Note : Due to continuous development specifications may change without prior notice

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