



FEATURES

- UNIVERSAL INPUT: PT100, ALL TYPE THERMOCOUPLE, 4-20MA, 0-50mV, 0-5V AND 0-10V, 1-5V
- BUILT IN COLD JUNCTION COMPENSATION
- 24VDC POWER SUPPLY FOR REMOTE TRANSMITTER EXCITATION
- PROCESS VARIABLE (PV) RETRANSMISSION IN 4-20MA
- 4 ALARM RELAYS INDIVIDUALLY CONFIGURABLE AS HI OR LO
- PASSWORD PROTECTED
- INBUILT WATCHDOG TIMER

PRESENTATION

DPIC-MC-UI is a universal process transmitter, which accepts universal input. A four digit 7-segment display shows measured value and all programming parameters.

Instrument configuration is achieved from the membrane keyboard without any hardware change. Thus, the input type, alarm set points, alarm configuration and system parameters are accessed and defined from the frontal keyboard.

Options

- RS485 MODBUS ASCII serial communication
- Data logging
- Programmable input range for thermocouple and RTD
- RTD 2 wire lead compensation by software up to 60 ohms lead resistance
- Display brightness control by software
- Instrument parameter Configuration through PC
- MIN / MAX PV with date and time stamp
- Digital input

SPECIFICATION

- **Input:**

TYPE	CODE	RANGE	RESOLUTION
J	tcj	-130 to 940 °C	1°C
K	tcp	-200 to 1370 °C	1°C
T	tc t	-200.0 to 400.0 °C	0.1°C
R	tc r	0 to 1760 °C	1°C
N	tc n	-200 to 1300 °C	1°C
S	tc s	0 to 1760 °C	1°C
E	tc e	-100 to 720 °C	1°C
B	tc b	500 to 1800 °C	1°C
RTD PT-100	rt d	-190.0 to 840.0 °C	0.1°C
0-5 V	v 0-5	Programmable from -1999 to 9999	Programmable
1-5 V	v 1-5	Programmable from -1999 to 9999	Programmable
0-10 V	v 0.10	Programmable from -1999 to 9999	Programmable
0-50mV	v 0.50	Programmable from -1999 to 9999	Programmable
4-20mA	curr	Programmable from -1999 to 9999	Programmable

- **Display: 4 digit, 7 segment, 0.56", RED, bright LEDs**
- **Output: 4-20mA retransmission output @ 800 Ohm resistive Load (Max) for selected input**
- **Relay: FOUR alarm relays: for SP1, SP2, SP3 and SP4**
Contact: Single Changeover Per set point
Ratings (SP1-SP3): 3A/250V AC
SP4: 5A/250V AC

- **Power: 240±10% AC/50 Hz**
- **Internal Resolution: 32767 levels**
- **PV Retransmission resolution: 4095 Levels**
- **Accuracy: ±0.25% of span ± 1 digit**
CJC Error: ±1 °C for Thermocouple
- **Pt100 measure: 3-wire configuration, 200µA excitation current**
- **Working condition:**
Operating Temp: 0 to 55 °C
Storage temp: 0 to 70 °C
Humidity: 4-95% RH non-condensing
- **Dimension:**
Case: 91mm (H)*91mm (W)*160mm (D)
Cutout: 92*92mm
Bezel: 97*97mm
Mounting: flush panel mounting

MANUFACTURED BY:

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