

DUAL DISPLAY CONTROLLER

(Micro Controller Based)

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Spec. Sheet # SC-23

MODEL CODES

Model : DIC-501.

Max.no. of channel : 2.

INPUT

Input : (A) RTD, Pt-100, 3 wire.
(B) K/J thermocouple.
(C) 4-20 mA DC.
(D) Other input on request.

Input Range : (A) 0-400°C for Pt-100.
(B) 0-1200°C for K type.
(C) 0-600°C for J type.
(D) Programmable thru key board for mA input.
(E) Other ranges on request.

DISPLAY

Type of display : 7 segment LED display.

No. of digit : 4 digit for each input.

Size of digit : 12.5 mm (0.5") height.

Display colour : Red.

SET POINT

Set point : (A) Alarm & trip set point for each channel programmable thru "KEY BOARD".
(B) Trip set point TYPE adjustable thru "KEY BOARD" i.e. Hi/Low.

Control action : On/off.

Set point adjustment : Thru programming.

OUTPUT

Output : (A) Visual indication by a separate LED for alarm & trip set point.
(B) 1 NO/NC relay contact with 5A/230 VAC, for each alarm & trip set point.
(C) 24 VDC auxiliary power supply for transmitter.

GENERAL SPECIFICATION

Operation : Fail safe (relay energised for normal running).

Anti-humidity treatment : Acryform conformal coating on PCB.

Power fuse : 250 mA.

Sensor break & short circuit protection : Indication.

Accuracy : $\pm 0.5\%$, ± 1 digit.

Memory retention : EE-PROM (more than 5 years).

Response time : Less than 1 sec.

Display : Linearised w.r.t. temp.

INSTALLATION

Power supply : 110/220 VAC, 50 Hz.

Operating ambient
- Temperature : 0-60°C.
- Humidity : 5-95% RH.

Storage Temp. : 0°C to + 60°C.

Mounting : Flush panel.

Housing : Extruded Aluminium.

Terminals : Suitable for conductor upto 1.5 Sq. mm wire only.

Bezel size : 96(W)X96(H) in mm.

Cutout size : 92(W)X92(H) in mm.

Weight : 1000 Grams.