

# TEMPERATURE CONTROLLER DTIC 3510



## SPECIFICATIONS :

Range & Calibration	: 0 to 200°C for PT100 RTD three wire Calibration. 0 to 200°C for CR/AL "K" type Thermocouple Calibration. 0 to 400°C for FE/CO type Thermocouple or PT100 RTD Calibration. 0 to 400°C for CU/CO "T" type Thermocouple Calibration. 0 to 1700°C for PT/PT/RH "R" type Thermocouple Calibration.
Display	: 3-1/2 Digits, 7 Segment Red LED Display with 12.5mm character height Automatic -Ve Indication.
Resolution	: $\pm 0.1^{\circ}\text{C}$ / $\pm 1^{\circ}\text{C}$ .
Indicating Accuracy	: $\pm 0.5\%$ of Reading $\pm 1$ Digit (Last).
Cold Junction	: Automatic Compensation with 3 Wire system in PT-100 Calibration. Automatic Cold Junction Compensation in Thermocouple Calibration.
Type of Control	: On/Off type control action, above set point relay OFF & below set point relay ON.
Control Output	: Relay output – One changeover contact with 230VAC, 5Amps load (resistive). Solid State Relay output.
Control Setting	: Adjustable over full scale by multi-turn potentiometer. When push "SET" push switch display will indicate the set temperature & when key is released display will indicate actual temperature.
Load ON Indication	: By LED.
Open Sensor Indication	: Fail safe UP with value shut OFF.
Power Supply	: 230V $\pm 10\%$ 50Hz.
Power Consumption	: 10VA maximum.
Size	: 92mm(W) x 92mm(H) Panel Cutout & 140mm(Depth) with M.S. chasis & ABS cover. Basel Size 96(W) x 96(H).
Ambient	: 10 to 50°C. Ambient Temperature and 90% Relative Humidity.
Terminal	: Phoenix type terminal provided for 1.5mm <sup>2</sup> wire.

Manufactured by :



**ANALOG & DIGITAL  
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