

# PROGRAM CONTROLLER PROG-101



## SPECIFICATIONS

Model	: PROGRAM CONTROLLER PROG-101
Range & Calibration	: -100 to +600°C for PT100 RTD three wire calibration. 0 to 1200°C for CR/AL "K" type Thermocouple calibration. 0 to 600°C for FE/CO "J" type Thermocouple calibration. 0 to 200°C for CU/CO "T" type Thermocouple calibration. 0 to 1700°C for PTPT-RH "R" type Thermocouple calibration.
Display	: 7 Segment RED LED Display having 12.5mm character height. MODE - 1 Digit. PROG. NO. - 1 Digit. SET TEMP. - 4 Digits. PROCESS TEMP. - 4 Digits.
Front Label	: Overlay sticker with Tactile Keys.
Calibration	: Thermocouple / RTD
Resolution	: $\pm 1^\circ\text{C}/\pm 0.1^\circ\text{C}$ .
Indicating Accuracy	: $\pm 0.2\%$ of reading $\pm 1$ digit.
No. of Programs	: 9 (NINE).
No. of Steps	: 99 (NINETY NINE) per Program. Total $99 \times 9 = 891$ steps.
Program Setting	: Programmable through keyboard.
Programming Pattern	: 1. Set Temperature. 2. Ramp Rate or Soak Time. 3. Alarm at the end of segment (On/Off).
Type of Control	: ON/OFF or PROPORTIONAL selectable by Keyboard.
Control Output	: 12 VDC pulse output to operate Solid State Relays.

Manufactured by :



**ANALOG & DIGITAL  
INSTRUMENTATION**

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## SPECIFICATIONS

Proportional Band	: 1-250°C Settable through Keyboard.
Reset Setting	: Settable through Keyboard.
Alarm	: Alarm at the end of each segment - settable through keyboard. Alarm at the end of the Entire Program. Time for both the alarm is also settable through keyboard from 1-999secs.
Alarm Output	: 1C/O Relay output having contact rating 5Amps resistive load at 230V AC.
Ramp Rate	: 1-200°C/Minute or 1-999°C/Hr selectable through keyboard.
Soak Time	: 1-9999 Minute or Hr selectable through keys.
Program Hold	: Program can be hold at any time by pressing RUN/HOLD key.
Hold Time	: Same as Soak Time.
Cycle Time	: 1-25 seconds settable through keyboard.
No. of Repetitions	: 1-999 settable through keyboard.
High Limit	: Settable over full range by keyboard. Above this temp limit, the output will be switched off.
Memory Retention	: Non-volatile RAM.
Program Retention	: Upon Power resumption from the power failure, Program starts from the Power failure point.
Power Supply	: 110V/230V AC, 50Hz $\pm$ 10%.
Ambient	: 10-50°C.
Size	: 92mm(W) x 186mm(H) panel cutout having 280mm depth.
Weight	: 4 Kgs. (Approx.)



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