

# PROFILE CONTROLLER



Profile Controller is Process Controller for controlling process parameter against time.

User can define the profile he wants with the help of extensive instruction set. Unit supports instructions like jump, loop, loop with count apart from ramp and soak control.

Auxiliary relays are provided which can be used to operate external controls like valve or hooter etc. Relay On and Off instructions are supported.

Unit is available with control algorithm as On / Off, Proportional, PI or PID to choose from depending on process requirement.

## FEATURES

- Microcontroller based Digital Circuitry
- Four digit LED display for parameter indication.
- Six digit display for programming and showing setpoint values.
- Dust proof membrane keypad for programming.
- Upto 24 steps programming possible. (99 / 990 steps optional).
- Input interface : Pt 100 or Thermocouple or 4 to 20 mA as per the requirement.
- Control algorithm On/Off, P, PI or PID with programmable control constants.
- Step change over temperature band programmable.
- Programming instructions like Jump, loop, loop with count, etc. supported.
- NV RAM storage to retain setpoint in case of power failure.
- Relay outputs rated 230V / 5A (resistive).
- Upto 2 Auxilliary relay contacts possible. (Optional).
- Independent Heat and Cool relay outputs optional.
- 4-20 mA or 0-10 V Control output optional.
- Size 96 x 96 x 150 mm. (DIN standard).

### Other Products For Industry / OEMs

- Timer / Counters
- Ratemeters
- Production Analyser (Counter+ Totaliser + Rate meter + Production storage)
- Ampere Hour Meters
- Data Loggers



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