



PID Temperature Control Unit

Temperature Controllers

ECO PID

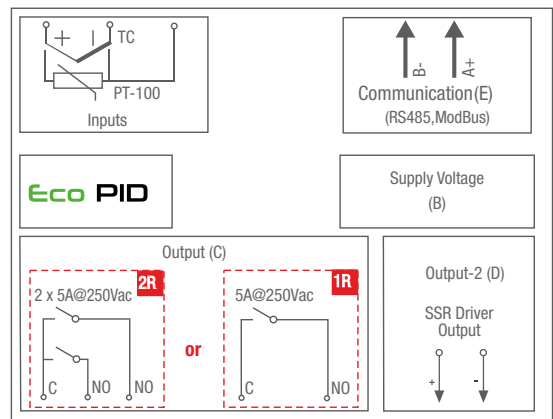


- ▶ High Resolution Sensitive PID control
- ▶ TC (J,K,R,S,T Input Types) and RTD inputs selectable by parameter
- ▶ Low Power Consumption, Energy saving and Environmentally Friendly with 2VA

- ▶ Saving and Recovery of user parameters
- ▶ RS-485 Modbus (RTU) communication option
- ▶ Return to Factory Settings

Specifications

3 Digits Process (PV) and 4 Digits Set (SV) display
 Process input (TC, RTD)
 Programmable ON-OFF, P, PI, PD, PID control forms
 Adaptation of PID Coefficients to the system
 with Self-Tune operation (Step Response Tuning) and
 Auto-Tune (limitcycling-tuning)
 Selectable heating and cooling function
 Selectable temperature offset value
 Operation type selection with hysteresis
 Minimum pulling time adjustment for control outputs
 Password protection for programming mode



Technical Specification

Accuracy: $\pm 0.25\%$ of full scale
Cold Junction Compensation: Automatically $\pm 0.1^\circ\text{C}/1^\circ\text{C}$
Line Compensation: Maximum 10 Ohm
Sensor Break Protection: Upscale
Sampling Cycle: 0.1 second

