



ECO PID

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
- 4 Digits Process (PV) and 4 Digits Set (SV) display (ECO PID+)
- 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

