



## PID Temperature Controllers

ECO PID

ECO PID+

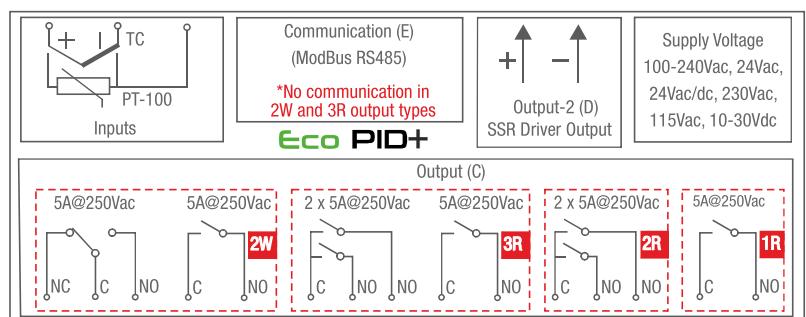
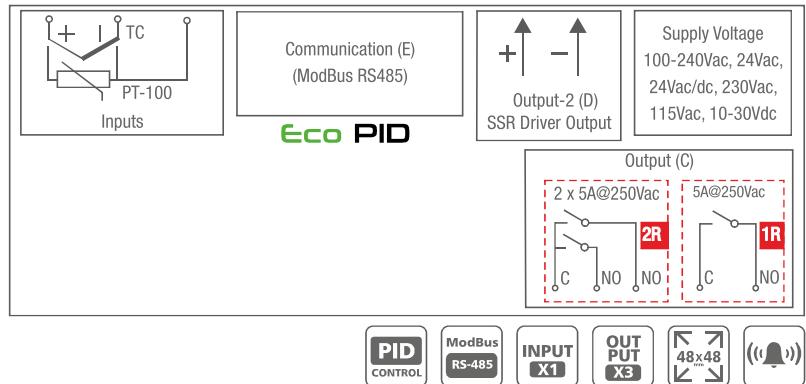
- ▶ High Resolution Sensitive PID control
- ▶ TC (J,K,R,S,T Input Types) and RTD inputs selectable by parameter
- ▶ Low Power Consumption, Energy saving and Environmentally Friendly with 2VA

- ▶ 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  
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 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 ResponseTuning) 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:** ±0.25% of full scale  
**Cold Junction Compensation:** Automatically ± 0.1°C/1°C  
**Line Compensation:** Maximum 10 Ohm  
**Sensor Break Protection:** Upscale  
**Sampling Cycle:** 0.1 second

