



# Process Controllers

Universal Input Dual SET PID

ESM-4435



- ▶ Universal process input (TC, RTD, mVdc, Vdc, mAdc)
- ▶ Dual or multi point calibration for dc Voltage/Current input

- ▶ Bumpless transfer
- ▶ Auto-tune ve Self-tune PID

## Specifications

4 Digits process (PV) and 4 Digits set (SV) display  
 Configurable ON/OFF, P, PI, PD, and PID control forms  
 Manual/Automatic mode selection for control outputs  
 Programmable heating, cooling and alarm functions for control outputs

## Technical Specification

**Accuracy:**  $\pm 0.25\%$  of full scale for thermocouple, thermoresistance, mV, V  $\pm 0.70\%$  of full scale for mA input  
**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:** 3 samples per second  
**Input Filter:** 0.0 to 900.0 seconds

