

Process Controllers

Universal Input Dual SET
PID Process Controllers

ESM-7730 ESM-4430
ESM-9930 ESM-9430 ESM-4930



- ▶ Auto-tune and Self-tune PID
- ▶ Bumpless transfer
- ▶ Dual or multi point calibration for dc Voltage/Current input

Specifications

4 Digits process (PV) and 4 Digits set (SV) display
 Universal process input (TC, RTD, mVdc, Vdc, mAdc)
 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

