

Process Controllers

Universal Input Dual SET PID

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: ±0.25% of full scale for thermocouple, thermoresistance, mV, V ±0.70% of full scale for mA input
Cold Junction Compensation: Automatically ± 0.1°C/1°C
Line Compensation: Maximum 10 Ohm
Sensor Break Protection: Upscale
Sampling Cycle: 3 samples per second
Input Filter: 0.0 to 900.0 seconds

