









Series Selection Guide

Temperature, Process & Strain Meters & PID Controllers

	 i8	 i8DH	 i8DV	 i8C	 i16	 i16D	 i32
Description	1/8 DIN Single Display Monitor/ Controller	1/8 DIN Dual Display Horizontal PID Controller	1/8 DIN Dual Display Vertical PID Controller	1/8 DIN Ultra Compact Monitor/ Controller	1/16 DIN Single Monitor/ Controller	1/16 DIN Dual Display Monitor/ Controller	1/32 DIN Single Monitor/ Controller
Input Process and Temperature (model "i") T/C: (J, K, T, E, R, S, B, N, C, J DIN) RTD: Pt 100,500,1000 Ohms (385,392) 4-20mA, 0-100mV, 0-1V, 0-10V Strain and Process (model "iS") 4 to 20 mA, 0 to 100 mVdc, -100 mVdc to 1 Vdc, 0 to 10 Vdc Ratiometric/Non-Ratiometric 10 pt linearization	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓
Display Nine Segment LED Digits Color Programmable: Red, Amber, Green Height of Digits	Single Display 21mm (0.83")	Dual Display Process Value: 21mm(0.83") top display Setpoint Value: 10.2mm(.40") bottom display	Dual Display Process Value: 10.2 mm(.40") top display Setpoint Value: 10.2mm(.40") bottom display	Single Display 21mm (0.83")	Single Display 10.2 mm(.40")	Dual Display Process Value: 10.2 mm(.40") top display Setpoint Value: 10.2mm(.40") bottom display	Single Display 10.2 mm(.40")
Available Output Options (Any combination of Two) SSR's: Solid State Relays 0.5A @120/240Vac Relays: Form "C" SPDT 3A @120/240Vac Pulse: 10Vdc @20mA (for use w/ external Programmable Analog Voltage & Current Output (non-isolated) Optional Isolated Programmable Analog Voltage & Current Output (i8A only)		Two Outputs Standard	Two Outputs Standard			Two Outputs Standard	
	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓
	✓						
Power (standard) 90-240 Vac, 50-400Hz 110-375 Vdc, Equivalent voltage	✓	✓	✓	✓	✓	✓	✓
Low Voltage Power Option 12-36Vdc, 3W	✓	✓	✓	✓	✓	✓	✓
Mechanical (size: H x W x D)	48 x 96 x 127 mm (1.89 x 3.78 x 5")	48 x 96 x 127 mm (1.89 x 3.78 x 5")	96 x 48 x 127 mm (3.78 x 1.89 x 5")	48 x 96 x 54.84 mm (1.89 x 3.78 x 2.159)	48 x 48 x 127 mm (1.89 x 1.89 x 5")	48 x 48 x 127 mm (1.89 x 1.89 x 5")	25.4 x 48 x 127 mm (1.0 x 1.89 x 5")
Weight	295 g (0.65 lb)	295 g (0.65 lb)	295 g (0.65 lb)	255 g (0.55 lb)	159g (0.35 lb)	159g (0.35 lb)	127g (0.28 lb)
Network Options 1. RS232, RS422, RS485, modbus (-C24) 2. Ethernet + RS485, Modbus (-C4EI) 3. Ethernet (-EI)	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	EIS-2 or EIS-W	EIS-2 or EIS-W	✓	EIS-2 or EIS-W
	✓	✓	✓			✓	
Base Unit Pricing	i800 \$240	i8DH33 \$340	i8DV33 \$340	i8C00 \$285	i1600 \$180	i16D33 \$245	i3200 \$150
Most Popular Model	i833-C24 1/8 DIN single display controller with two mechanical relay output + Serial output	i8DH33-C4EI 1/8DIN dual display Horizontal Controller with two mechanical relay output + Serial and Ethernet output	i8DV43 1/8 DIN dual display Vertical Controller with pulse and relay output	i8C53 1/8 DIN compact controller with analog and relay output	i1633 1/16 DIN single display controller with two relay outputs	i16D43-C24 1/16 DIN Dual Display with pulse and relay output + serial output	i3243-C24 1/32 DIN controller with pulse and relay output + serial output