








# iSeries Selection Guide

## Temperature, Process & Strain Meters & PID Controllers

	 <b>i8</b>	 <b>i8DH</b>	 <b>i8DV</b>	 <b>i8C</b>	 <b>i16</b>	 <b>i16D</b>	 <b>i32</b>
<b>Description</b>	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 PID Controller	1/32 DIN Single Monitor/ Controller
<b>Input</b> 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 Humidity and Temperature (model "iTH")	✓	✓	✓	✓	✓	✓	✓
<b>Display</b> 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")
<b>Available Output Options</b> (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) <b>Other Output Options</b> Isolated Programmable Analog Voltage & Current Output Limit Alarm (-AL) or Simplified Menu (-SM)	Two Outputs Standard	Two Outputs Standard	Two Outputs Standard	Two Outputs Standard	Two Outputs Standard	Two Outputs Standard	Two Outputs Standard
<b>Power</b> (standard) 90-240 Vac, 50-400Hz 110-375 Vdc, Equivalent voltage	✓	✓	✓	✓	✓	✓	✓
<b>Low Voltage Power Option</b>	✓	✓	✓	✓	✓	✓	✓
<b>Mechanical</b> (size: H x W x D) <b>Weight</b>	48 x 96 x 127 mm (1.89 x 3.78 x 5") 295 g (0.65 lb)	48 x 96 x 127 mm (1.89 x 3.78 x 5") 295 g (0.65 lb)	96 x 48 x 127 mm (3.78 x 1.89 x 5") 295 g (0.65 lb)	48 x 96 x 54.84 mm (1.89 x 3.78 x 2.16") 255 g (0.55 lb)	48 x 48 x 127 mm (1.89 x 1.89 x 5") 159g (0.35 lb)	48 x 48 x 127 mm (1.89 x 1.89 x 5") 159g (0.35 lb)	25.4 x 48 x 127 mm (1.0 x 1.89 x 5") 127g (0.28 lb)
<b>Network Options</b> 1. RS232, RS422, RS485, modbus (-C24) 2. Ethernet + RS485, Modbus (-C4E1) 3. Ethernet (-E1)	✓	✓	✓	✓	✓	✓	✓
<b>Most Popular Model</b>	i833-C24 1/8 DIN single display controller with two mechanical relay output + Serial output	i8DH33-C4E1 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