

iSeries

\$180
1/16 DIN meter
\$225
with 2 control outputs

- ✓ High Quality
- ✓ 5-Year Warranty
- ✓ High Accuracy $\pm 0.5^{\circ}\text{C}$ (0.9°F), 0.03% Reading
- ✓ First 1/16 DIN Controller with Totally Programmable Color Displays (Standard)
- ✓ User-friendly, Simple to Configure
- ✓ Free Software
- ✓ Full Autotune PID Control
- ✓ Universal Inputs: Thermocouple, RTD, Process Voltage/Current, Strain
- ✓ Embedded Ethernet connectivity

The OMEGA® DPi16/CNi16 is the popular 1/16 DIN size (48mm square) meter or controller. The meter (model "DPi16") displays the process value and has no control outputs.

The controller is available with a single (model "CNi16") or dual display (model "CNi16D") that displays a set point along with the process value. The DPi16/CNi16 display can be programmed to change color at any set point or alarm point. The CNi16 is the first 1/16 DIN controller with the option of both RS-232 and RS-485 in one instrument with both MODBUS serial protocol and the straightforward OMEGA® ASCII protocol. And of course the CNi16 is the first 1/16 DIN Controller that can connect directly to an ethernet network and features an embedded web server. OMEGA® provides free configuration and data acquisition software for the iSeries on CD-ROM and for download off the Web.

The DPi16/CNi16 enclosure has a NEMA 4 (IP65) rated front bezel. The electronics are removable from the front panel.

1/16 DIN
Temperature, Process, Strain
Meters & PID Controllers



- ✓ First 1/16 DIN Controller Offering Both RS-232 and RS-485 Serial Communications in One Instrument (Optional)
- ✓ First 1/16 DIN Controller with Built-in Excitation, 24 Vdc, Standard
- ✓ First 1/16 DIN Instrument with Analog Output Selectable as a Control Output or as a Calibrated Retransmission of Process Variable

- ✓ NEMA-4, IP65 Front Bezel
- ✓ 2 Control or Alarm Outputs (Optional) dc Pulse, Solid State Relays (SSR's), Mechanical Relays, Analog Voltage & Current
- ✓ Temperature Stability $\pm 0.04^{\circ}\text{C}/^{\circ}\text{C}$ RTD and $\pm 0.05^{\circ}\text{C}/^{\circ}\text{C}$ TC @ 25°C (77°F)
- ✓ Front Removable and Plug Connectors



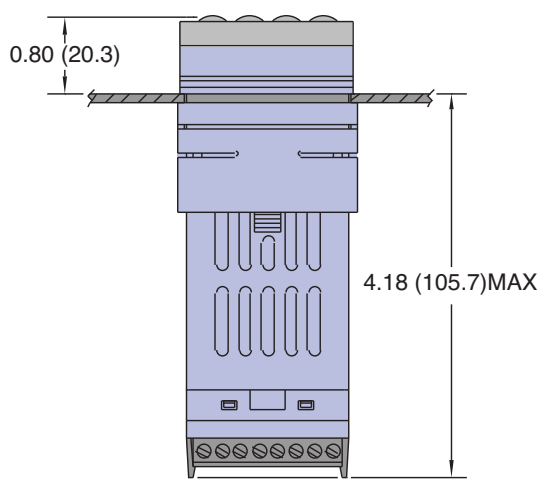
Access Vital information
Anytime, Anywhere, on
the World Wide Web



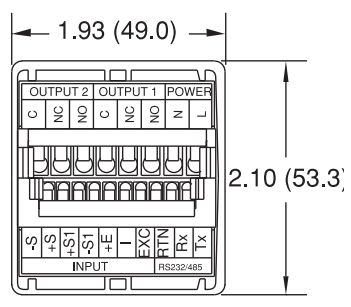
\$295

1/16 DIN Controller With Embedded Web Server, Dual Control Outputs, Dual Display

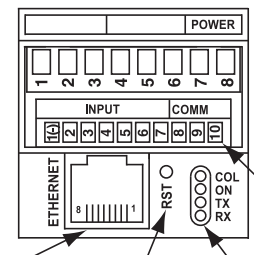
i/16



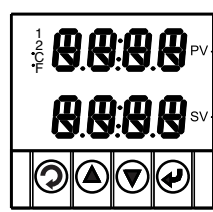
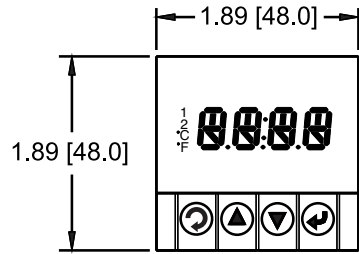
TOP VIEW



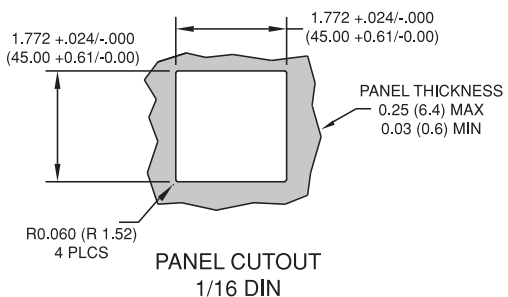
REAR VIEW



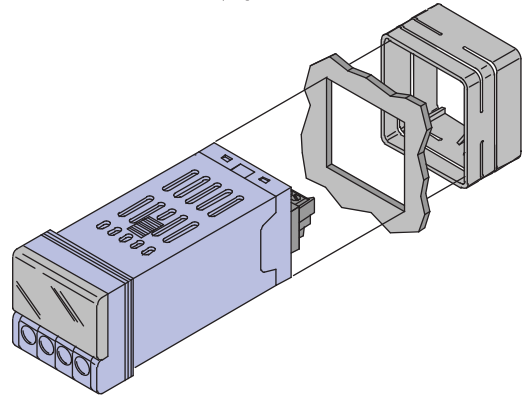
RJ45 10BASE-T Connection, Reset Button, LED Indicators, Communication Port



SINGLE DISPLAY FRONT VIEW, DUAL DISPLAY FRONT VIEW



PANEL CUTOUT 1/16 DIN



To Order (*Specify Model No.)

Model Number	Description	Price
DPi16	Temperature/Process (Monitor only) 1/16 DIN	\$180
DPiS16	Strain/Process (Monitor only) 1/16 DIN	\$230

CONTROL OUTPUTS #1 & 2 Direct (Cool) or Reverse (Heat) Acting

Model	Option 1	Option 2	Description	Price
CNi16	(*)	(*)	Temperature/Process with 2 Control Outputs	\$225
CNi16D	(*)	(*)	Temperature/Process Dual Display with 2 Control Outputs *1	\$245
CNiS16	(*)	(*)	Strain/Process with 2 Control Outputs	\$275
CNiS16D	(*)	(*)	Strain/Process Dual Display with 2 Control Outputs *1	\$295
	2	2	Two solid state relays (SSR's): 0.5 A @ 120/240 Vac continuous	N/C
	2	3	SSR and relay: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac	
	2	4	SSR and pulsed 10 Vdc @ 20 mA (for use with external SSR)	
	3	3	2 Relays: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac	
	4	2	Pulsed 10 Vdc @ 20 mA (for use with external SSR) and SSR	
	4	3	Pulsed 10 Vdc @ 20 mA (for use with external SSR) and relay: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac	
	4	4	Two pulsed 10 Vdc @ 20 mA (for use with external SSR)	
	5	2	Analog Output selectable as either control or retransmission of process value; 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and SSR	
	5	3	Analog Output 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and Relay	
	5	4	Analog Output 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and Pulse 10 Vdc	
			-AL Limit Alarm Version (Alarm Menu, PID Control) ³	
			-SM Simplified Menu Version (ON/OFF Control, No PID) ⁴	

NETWORK OPTIONS

Option	Description	Price
-EI	Ethernet with Embedded Web Server *1	\$50
-C24	Isolated RS-232 and RS-485/422. 300 to 19.2k Baud *2	\$60
-C4EI	Ethernet with Embedded Web Server & Isolated RS-485/422 hub for up to 31 devices *1, *2	\$110

POWER SUPPLY

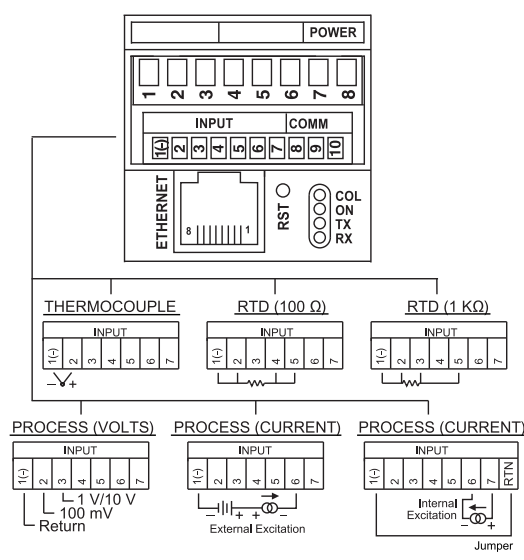
Option	Description	Price
*	Standard power input: 90-240 Vac/dc, 50-400 Hz (no entry required)	N/C
-DC	12-36 Vdc (for CN/DPI16), 20-36 Vdc (for CNI16D), 24 Vac *2	\$25

FACTORY SETUP

Option	Description	Price
-FS	Factory Setup and Configuration	\$50

SOFTWARE (Requires Network Option)

Option	Description	Price
OPC-SERVER LICENSE	OPC Server/Driver Software License	\$295



Dimensions shown in inches (mm)

*1 Ethernet options are available for the CNI16D and CNI16D Controller only.

*2 -DC, -C24 or -C4EI not available with excitation.

*3 Analog Output (Option 5) is not available with -AL units.

*4 Strain DP/CNiS16 or CNI16D is not available with -SM units.

ORDERING EXAMPLES: CNI16D44 is a 1/16 DIN dual display PID Controller with two pulse control outputs \$245.