1/32 DIN Dual-Zone **Controllers**



CN79000



- ✓ Thermocouple Inputs Only
- ✓ Large Dual Display
- Illuminated Keypad
- ✓ Free Software

with Fuzzy Logic **CE OMEGA®** CN79000

CN79033, £160, shown larger than actual size.

The CN79000 controller set a new standard in ½ DIN power, flexibility, and value. The CN79000 is a dual zone controller in the 1/22 DIN size. The CN79000 Series offers 5 thermocouple input types and each zone offers a single setpoint. Standard features include independent fuzzy logic, autotune, and peak/valley indication for each zone. RS485 Serial communication is optional.

Specifications

Display: Two 4-digit, 7 segment, 6.35 mm H LEDs Accuracy: ±0.25% of span, ±1 least significant digit

Supply Voltage: 100 to 240 Vac, nominal,

10 to 15%, 50 to 400 Hz

Single Phase: 132 to 240 Vdc, nominal, 10 to 20%

Power Consumption: 5 VA maximum Operating Temperature: -10 to 55°C Memory Backup: Nonvolative memory,

no batteries required **Control Output Ratings:**

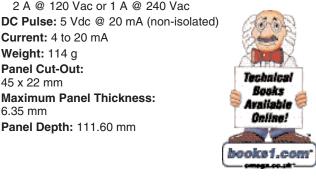
Relay (Resistive): SPST, 3 A @ 240 Vac Relay (Inductive): 1.5 A @ 240 Vac Pilot Duty Rating: 250 VA. 2 A @ 120 Vac or 1 A @ 240 Vac

Current: 4 to 20 mA Weight: 114 g **Panel Cut-Out:** 45 x 22 mm

Maximum Panel Thickness:

6.35 mm

Panel Depth: 111.60 mm



Inputs

Input Types	Range
K Thermocouple	-129 to 1371°C
J Thermocouple	-73 to 871°C
E Thermocouple	-73 to 982°C
N Thermocouple	-73 to 1300°C
[(J DIN) Thermocouple	-73 to 871°C

Note: All thermocouple inputs can be set for 0.1° display. If temperature goes above 999.9° or less than -199.9° the display will return to whole degree resolution.

Inputs are not isolated, must use ungrounded thermocouples.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)				
Model No.	Price	Description		
CN79022	£160	Dual-zone, DC pulse/DC pulse		
CN79033	160	Dual-zone, relay/relay		
CN79053	177	Dual-zone, 4 to 20 mA/relay		

Comes with complete operator's manual.

Options

Ordering Suffix	Add'l Price	Description
-C4	£40	RS485 communications*
-LV	24	12 to 24 Vdc/Vac

Ordering Example: CN79033-C4, dual-zone, dual-mechanical relay outputs, RS485 communications, £200.

* Free CN7-A software download avaliable at omega.co.uk

Accessories (Field Installable)

		Description
CNQUENCHARC	£5.40	Noise suppression kit, 110 to 230 Vac
GE-2117	10.00	Reference Book: Controller Tuning, PID

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