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¼ DIN Temperature Controllers

CN730 Series

- Dual Display
- Autotune
- RS485 Communications
- Free Software
- Alarm Functions
- Thermocouple/ RTD Inputs
- Output Status

Panel punches available, visit omega.com/panelpunches



CN733

The CN730 Series ¼ DIN temperature controllers offer easy-to-use programming menus designed for quick installation. Control functions include ON/OFF, PID, auto-tuning or manual tuning. The CN730 Series is available with relay, dc pulse or current output with two additional alarm outputs. The alarm outputs can be configured from 12 different preprogrammed settings. The CN730 Series accepts a variety of thermocouple and RTD inputs. Process value and set-point value are simultaneously displayed with the process value in red and setpoint in green.

Specifications

Inputs: Thermocouple or RTD, see chart
Display: Two 4-digit, 7-segment, LEDs
PV: Red, 19 mm H (0.75")
SV: Green, 12.7 mm H (0.5")
Accuracy: ±0.25% span, ±1 least significant digit
Supply Voltage: 100 to 240 Vac, 50/60 Hz
Power Consumption: 5 VA max
Operating Temperature: 0 to 50°C (32 to 122°F)
Memory Backup: Nonvolatile memory
Control Output Ratings:
Relay: SPST, 5A @ 250 Vac resistive
Voltage Pulse: 14V, 10 to -20% (max 40 mA)
Current: 4 to 20 mA
Communication: RS485 MODBUS® communication protocol
Panel Cutout: ¼ DIN, 92 mm² (3.622 in²)
Dimensions: 96 x 96 x 15.8 mm bezel (3.78 x 3.78 x 0.625")
Panel Depth: 79.2 mm (3.125")
Weight: 425 g (15 oz)
Front Panel Rating: IP66

Input Types	Range
B	100 to 1800°C (212 to 3272°F)
S	0 to 1700°C (32 to 3092°F)
R	0 to 1700°C (32 to 3092°F)
N	-200 to 1300°C (-328 to 2372°F)
E	0 to 600°C (32 to 1112°F)
T	-20 to 400°C (-4 to 752°F) -200 to 400°C (-328 to 752°F)
J	-20 to 400°C (-4 to 752°F) -100 to 850°C (-148 to 1562°F)
K	-200 to 1300°C (-328 to 2372°F) -200 to 500°C (-328 to 932°F)
L	-200 to 500°C (-328 to 932°F)
U	-200 to 800°C (-328 to 1472°F)
Pt100Ω RTD	0 to 100°C (32 to 212°F) -20 to 500°C (-4 to 932°F) -200 to 600°C (-328 to 1112°F)

To Order *Visit omega.com/cn730 for Pricing and Details*

Model No.	Description
CN733	Relay output, with RS485 communications*
CN732	DC pulse output, with RS485 communications*
CN735	4 to 20 mA output, with RS485 communications*

** Free **CN7-A** software download available on **omega.com/cn730***

Accessories (Field Installable)

Model No.	Description
CNQUENCHARC	Noise suppression RC snubber (2 leads), 110 to 230 Vac
CN7-485-USB-1	RS485 to USB mini-node converter

Comes complete with operator's manual.
***Ordering Example: CN733,** single output controller, mechanical relay, RS485 communications.*

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