



# Temperature/Process Controller Panel Single Input

CNI-CB120-K Series



Hinged Metal Enclosure

- ✓ Easy-to-Use Digital Controller with On/Off, PID and Ramp/Soak
- ✓ Optional Ethernet Control with Built-In Web Server
- ✓ 120V Operation
- ✓ 20 A (2400 W) Nominal, 25 A Maximum Capacity
- ✓ Type K Input and M12 Female Connection Input for RTD or Process (0 to 1V, 0 to 10V, 4 to 20 mA)
- ✓ On/Off Switch
- ✓ Cabinet Cooling Fan with Temperature Sensor
- ✓ Emergency Stop Switch
- ✓ One 25 A SSR Controlled Output with Series 30 Amp Contactor for Emergency Off
- ✓ Fuses for Controller, and Output 1 Provided
- ✓ For Indoor Use



CNI-CB120-K-EI interior with ethernet option controller shown.

CNI-CB120-K, shown with included CNI16D43 controller.

The CNI-CB120-K portable thermocouple temperature/process controllers are designed for indoor, general purpose use. Its design allows for a variety of temperature and process inputs.

### Specifications

**Weight:** 9.07 kg (20 lb)

**Dimensions:** 305 H x 254 W x 152 mm D (12 x 10 x 6")

**Operating Temperature:** 0 to 55°C (32 to 151°F)

**To Order Visit [omega.com/cni-cb120-k](http://omega.com/cni-cb120-k) for Pricing and Details**

| Model No.      | Description   |
|----------------|---|
| CNI-CB120-K    | 120 Vac control panel, K calibration, RTD or process inputs               |
| CNI-CB120-J    | 120 Vac control panel, J calibration, RTD or process inputs               |
| CNI-CB240-K    | 240 Vac control panel, K calibration, RTD or process inputs               |
| CNI-CB240-J    | 240 Vac control panel, J calibration, RTD or process inputs               |
| CNI-CB120-K-EI | 120 Vac control panel with Ethernet, K calibration, RTD or process inputs |
| CNI-CB120-J-EI | 120 Vac control panel with Ethernet, J calibration, RTD or process inputs |
| CNI-CB240-K-EI | 240 Vac control panel with Ethernet, K calibration, RTD or process inputs |
| CNI-CB240-J-EI | 240 Vac control panel with Ethernet, J calibration, RTD or process inputs |
| Option         |   |
| M12-S-M-FM     | M12 field mountable 4-pin with terminal lugs for wire connection          |

Comes complete with CNI16D43 for 1/6 DIN, or CNI8D43 for 1/8 DIN, one 1 A control fuse, and one 25 A output fuse.

For a different thermocouple input Type, change "-K" in model number to "-J, -T, -E, -N, -R, or -S," example: CNI-CB120-T, for Type T input.

**Ordering Examples:** CNI-CB120-K, temperature/process single input controller. CNI-CB120SB-K-EI, temperature/process single input controller with ethernet web server.