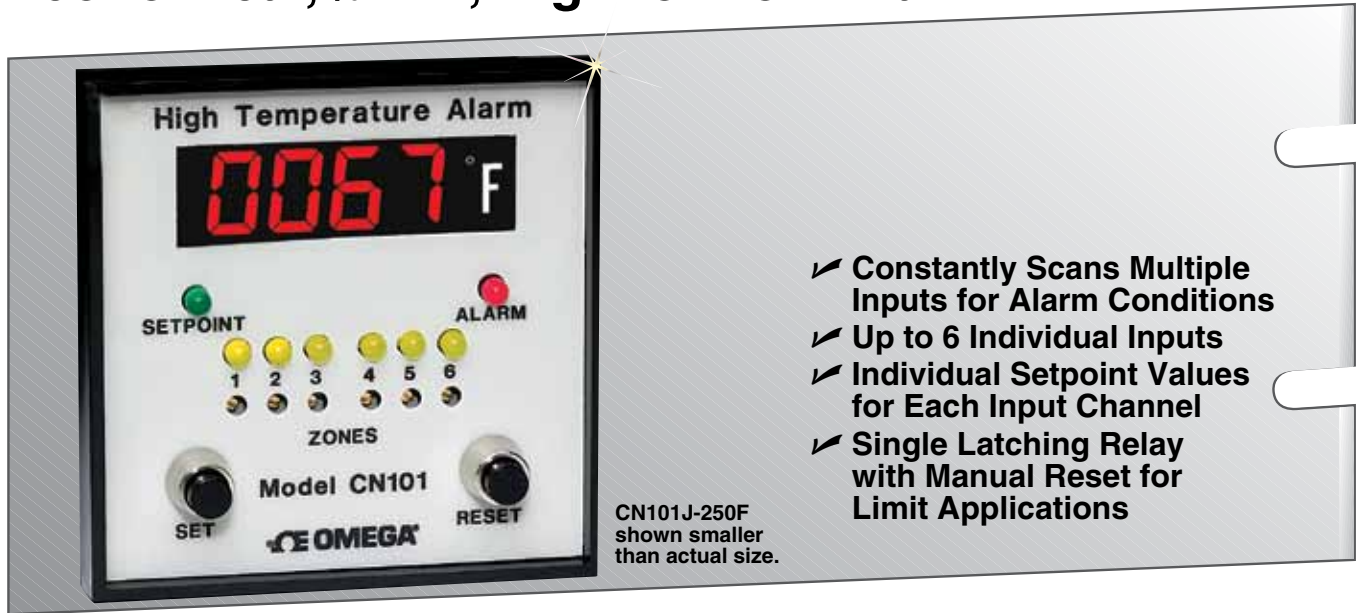


# 6-Channel Monitor

## Economical, 1/8 DIN, High- or Low-Alarm

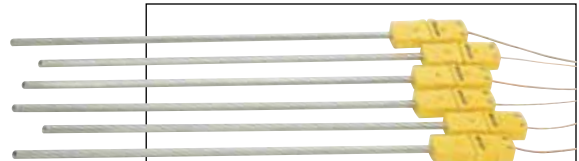


- ✓ Constantly Scans Multiple Inputs for Alarm Conditions
- ✓ Up to 6 Individual Inputs
- ✓ Individual Setpoint Values for Each Input Channel
- ✓ Single Latching Relay with Manual Reset for Limit Applications

CN101J-250F shown smaller than actual size.

The CN100 temperature monitors enable the operator to continually monitor 6 thermocouple inputs providing a high or low alarm. Each input channel is independent, with individual setpoints. The CN100 scans each channel, and in the event of an alarm, scanning will halt, and the single SPDT relay will change state; when the manual reset button is depressed, scanning will resume, and the relay returns to normal. CN102 low alarm models also feature built-in cold start suppression, which suspends low-alarming until all 6 temperatures have reached their setpoints.

### CN100 Series



The CN100 accepts 6 thermocouple or RTD inputs. Probes sold separately. KQSS-14G-12. Visit [omega.com/jqin](http://omega.com/jqin)



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

### Specifications

**Accuracy:** Greater than 0.5% range +1°

**Inputs:** Thermocouples

**No. of Setpoints:** 6, independent for each input

**Open Sensor Indication:** Treated as alarm

**Scanning Rate:** 4 to 12 s per channel, side adjustment

**Relay:** Mechanical, rated 5 A @ 120 Vac (24 Vdc), 3A @ 240 Vac (48 Vdc); SPDT type

**Analog Output:** 0 to 5 Vdc, non-isolated

**Alarm Operation:** Relay de-energized, "ALARM ON" LED indicator on, scan hold until reset

**Reset:** Manual, front pushbutton

**Max Voltage Between Inputs:** 10 Vdc or 6 Vrms

**Power:** 120/240 Vac, 50/60 Hz

**Power Loss:** Unit returns to ready state after power resumption

**Resolution:** 1°, 15 mm (0.6") LED

**Ambient Operating Range:** 0 to 57°C (32 to 135°F)

**Dimensions:** 96 H x 96 W x 187 mm D (3.78 x 3.78 x 7.375")

**Panel Cutout:** 1/8 DIN, 92 x 92 mm (3.622 x 3.622")

**Depth Behind Panel:** 175 mm (6.875")

**Terminals:** Type 6-32 screws

### To Order Visit [omega.com/cn100](http://omega.com/cn100) for Pricing and Details

High-Alarm Model Number	Low-Alarm Model Number	Input	Range
CN101J-250(*)	CN102J-250(*)	J	0 to 250°
CN101J-500(*)	CN102J-500(*)	J	0 to 500°
CN101J-1000F	CN102J-1000F	J	0 to 1000°F
CN101K-500C	CN102K-500C	K	0 to 500°C
CN101K-1000(*)	CN102K-1000(*)	K	0 to 1000°
CN101K-2000F	CN102K-2000F	K	0 to 2000°F
CN101E-500(*)	CN102E-500(*)	E	0 to 500°
CN101E-1000F	CN102E-1000F	E	0 to 1000°F
CN101S-3000F	CN102S-3000F	S	0 to 3000°F
CN101T-250(*)	CN102T-250(*)	T	0 to 250°
CN101T-500F	CN102T-500F	T	0 to 500°F
CN101RTD-250(*)	CN102RTD-250(*)	RTD	0 to 250°
CN101RTD-500(*)	CN102RTD-500(*)	RTD	0 to 500°
CN101RTD-1000F	CN102RTD-1000F	RTD	0 to 1000°F
CN101R-1650C	N/A	R	0 to 1650°C
CN101R-3000F	N/A	R	0 to 3000°F

Comes complete with operator's manual.

\* Specify suffix "C" for °C range, "F" for °F range.

**Ordering Examples:** CN101J-250F, high-alarm monitor, Type J thermocouple input, 0 to 250°F range. OCW-3, OMEGACARE<sup>SM</sup> extends standard 2-year warranty to a total of 5 years.

CN102J-1000F, low alarm monitor, Type J thermocouple input 0 to 1000°F.

CN102K-2000F, low-alarm monitor, Type K thermocouple input, 0 to 2000°F range.