6-Channel Monitor
Economical, ⅛ DIN, High- or Low-Alarm

High Temperature Alarm

SETPOINT   ALARM

1 2 3 4 5 6
ZONES

Model CN101

SET   RESET

CN101J-250F shown smaller than actual size.

TRODEKS®

✔ **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**

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

1 YEAR WARRANTY

Custom Panels Available, Contact Custom Engineering.

The CN100 accepts 6 thermocouple or RTD inputs. Probes sold separately. KQSS-14G-12.

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")
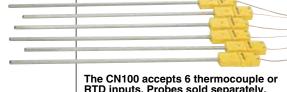**Panel Cutout:** ¼ DIN, 92 x 92 mm (3.622 x 3.622")
Depth Behind Panel: 175 mm (6.875")
Terminals: Type 6-32 screws

To Order			
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.**