

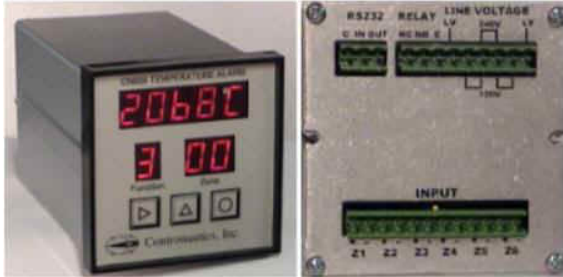


Contronautics, Incorporated
Keeping temperature under control.

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Thermocouple Ranges
Standard Ranges

TC	°C Range	°F Range
J	0-750	32-1400
K	0-1000	32-1900
E	0-500	32-1000
T	0-400	32-750
S	0-1750	32-3200
R	0-1750	32-3200
B	0-1800	32-3300
N	0-1100	32-2100
C	0-2300	32-4200

Extended Ranges

K	0-1300	32-2500
E	0-1000	32-1800

RTD Ranges

100Ω Platinum	0-600	32-1200
120Ω Nickel	0-300	32-600
10Ω Copper	0-250	32-500

Description

The CN606 Series is a second generation of industrial scanners based on the field proven CN600 six zone temperature monitor/alarm system. Several models and options are available. The CN606 Series is a microprocessor based scanner which accepts signals from thermocouples or RTD's. In the basic unit, six zones are sequentially scanned with a selectable display rate of 1 to 40 seconds each. A single output relay is provided to indicate an alarm condition on any zone. The faceplate has been arranged to call attention to an alarm condition by flashing the main temperature display and indicating the zone in alarm with a flashing zone number display. To prevent alarm on startup, Lo alarm is not activated until all enabled zones cross Lo alarm setpoint. The CN606 Series implements a security password to protect certain functions.

Models

The following Models are available:
 - Standard Thermocouple
 - Extended Range
 - RTD Input

Model Number Description

- CN606TC1 6 Zone T/C
 - CN606TC2 6 Zone T/C w/Extended Range
 - CN606RTD 6 Zone RTD (2 Wire) Copper
 - CN606RTD-C 6 Zone RTD (2 Wire) Copper
 - CN606RTD-3 6 Zone RTD (3 Wire) Copper
 - CN606RTD-3C 6 Zone RTD (3 Wire) Copper
- (Open Collector Option - 6 Alarm)
 CN606TC1-OC 6 Zone T/C
 CN606TC2-OC 6 Zone T/C w/Extended Range
 CN606RTD-OC 6 Zone RTD (2 Wire)
 CN606RTD-OC-C 6 Zone RTD (2 Wire) Copper

Features

- Six Zones
- Adjustable Display Time
- Field Proven Zone Switching
- Temperature and Setpoint Monitoring
- Four Digit Display of Temperature
- 2 Digit Display of Zones
- 5 Amp Latching or Non-Latching Relay
- Standard Thermocouples [T,E,J,K,S,R,B,C]
- Extended Ranges
- Six RTD Inputs (2 or 3 wire)
- Six Optional Independent Outputs
- Programmable Selection of HI, LO or HI/LO Alarms
- Password Protection
- Optional Inputs Other Than Thermometer
- 1/4 DIN Aluminum Box
- Splash Proof Face
- Plug-In I/O Terminals
- RS-232 Communication

SPECIFICATIONS

No. of Zones	Six
Zone Display Time Adjust.	1-40 seconds
Scan Time	Approx. 1/4 sec
Input Range	0-40mV Standard/0-75mVExpanded
Accuracy	±0.1% Range ±1 °C
Resolution	±5uV
Thermocouple Type	J,K,E,T,S,R,B,C
Cold Junction	Automatic
Compensation	
Linearity	±1 °C
Scale Selectable	°C or °F
Open T/C Warning	Flashing Display
RTD (2 or 3 wire)	100Ω Pt, 100Ω Ni, 10Ω Cu
Line Power	120/240VAC; 50/60Hz
Power Consumption	10VA Max.
Alarm Relay	5 Amp; 120VAC Relay deenergizes on alarm
Opt. 6 Outputs (One/Zone)	5 MA 5 V Internal
Open Collector Transistors	0.5Amp@40VDC External DC deenergize on alarm) power required
Communication	RS232 (3wire)
Alarms Selectable	HI, LO, HI/LO
Alarm Range	Full Range
Terminals	Headers for Plug-in Wiring
Enclosure	1/4 Din Aluminum, 6" long
Reset	Manual
Max. Volts between Inputs	Inputs 6VDC or RMS
Reaction to Power Loss	Unit returns to "RUN" MODE
Main Display	Four Digit; 0.6" high