

High-Limit Temperature Controller

CN3261 Series

\$160

All Models



- ✓ Protects Processes and Equipment From Excessive Temperatures
- ✓ DIN Rail and Sub-Panel Mounting
- ✓ J, K Thermocouple or RTD Input
- ✓ Terminals Provided for Remote Pushbutton Reset
- ✓ Latching, Normally Energized, 3 A Relay Output

The CN3261 Series high-limit controller protects expensive heaters and sensitive materials from damaging due to temperature conditions. Units are designed for industrial and commercial applications that require high-temperature protection. The CN3261 features a Form "C" latching, manually resettable relay output that de-energizes whenever the sensed temperature exceeds the setpoint temperature. Two methods are provided to reset an alarm condition, 1, the limit alarm has a reset pushbutton on the unit and 2, reset terminals are provided for resetting the alarm from a remote pushbutton. The DIN rail mounting feature allows quick installation without drilling or extra hardware. Slots are also provided for direct panel mounting.

Specifications

Sensor Inputs:

J Thermocouple: 0 to 750°C (0 to 1400°F)

K Thermocouple: -18 to 1260°C (0 to 2300°F)

RTD: -18 to 454°C (0 to 850°F)
2-wire input

Control Output: SPDT relay rated 3.8 A resistance and 1.5 A pilot duty 120 Vac, 100,000 cycles

Control Mode: Latching with manual reset or power-off

CN3261-JF, \$160, shown actual size.



Reset Function: Integral reset switch standard; terminals available for optional remote reset switch

Set Point Adjustment:

Local SP dial adjustment

Control Stability: Typically less than $\pm 5\mu\text{V}/^\circ\text{F}$ ambient and 0.1% of SPAN/% rated line voltage

Set Point Accuracy:

$\pm 3\%$ FS maximum at 25°C and rated line voltage

Sensor Break Protection:

Contacts 4 and 5 open for thermocouple or RTD break

Ambient Operating Temperature:

0 to 60°C (32 to 140°F)

Noise Rejection:

Common Mode Rejection: 60 db

Series Mode Rejection: 120 db

Power Input:

120 Vac or optional 24 Vac $\pm 15\%$, 50/60 Hz, 3 VA max standard

Enclosure Material:

Noryl, black color

Field Terminations:

Screw terminals with wire clamping plates and touch-safe shield

Mounting:

35 mm DIN rail or surface mounting

Mounting Screw Holes:

Upper left, lower right (2.5" c-c W and 3.0 c-c H) for #6 screws

Dimensions:

76 H x 84 W x 64 mm D (3.0 x 3.3 x 2.5") [overall 84 mm H (3.31") for mounting]

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
CN3261-JF	\$160	Limit controller, J thermocouple -18 to 760°C (0 to 1400°F)
CN3261-KF	160	Limit controller, K thermocouple -18 to 1260°C (0 to 2300°F)
CN3261-RTDF	160	Limit controller, RTD -18 to 454°C (0 to 850°F)
CN3261-JC	160	Limit controller, J thermocouple 0 to 750°C (0 to 1400°F)
CN3261-JF-LV	160	Limit controller, J thermocouple 0 to 750°C (0 to 1400°F), low power

Comes complete with operator's manual.

Ordering Examples: CN3261-RTDF, limit controller with -18 to 454°C (0 to 850°F) RTD input, \$160.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years (\$40), \$160 + 40 = \$200.

CN3261-JF, limit controller, J thermocouple, \$160.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters