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1/16 DIN High-Limit Controller with Latching Relay

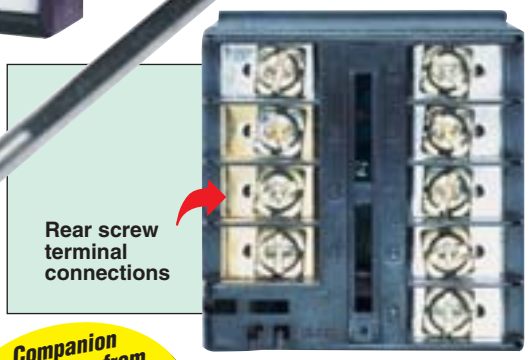


- **Reset Button on Front Panel**
- **Indicating and Non-Indicating Models**
- **J, K, R, S Thermocouples or RTD Input**
- **Easy-to-Use: No Programming Required**

The CN355 non-indicating and CN375 indicating 1/16 DIN high-limit controllers provide reliable high-temperature-limit shut-off control for most machine and process control applications, including environmental chambers, furnaces, ovens, and packaging machinery. These controllers have a normally energized SPDT latching output relay that becomes de-energized whenever the process variable exceeds a selected setpoint value. Reset of the latching output relay is done from a reset pushbutton on the front panel.



KTSS-316 G-12 temperature probe, $189, sold separately. **See page A-83 for more information.**



Specifications

Accuracy: ±1.5% FS + 1 digit (thermocouple input); ±1% FS + 1 digit (RTD input)
Resolution: 1°C or °F
Output Type: SPDT latching mechanical relay, 240 Vac, 2.5 A resistive load
Deadband/Hysteresis: 1.5 to 2.5% FS fixed
Power: 110/230 Vac ±10%, 50/60 Hz
Input:
3-Wire RTD (Pt100): 0.00385 excitation, 2 mA lead wire (Approx. 190' of 20-gage copper wire)
Thermocouple Types J, K, R*, S* (*Non-Indicating Models Only): Input resistance, 200 kΩ; lead wire resistance, 100 Ω max; up-scale break protection standard
Power Consumption: Approx. 3 VA
Operating Ambient Range: 5 to 45°C (41 to 113°F), 90% RH max
Insulation Resistance: 500 Vdc, 20 MΩ min between input and power supply terminals
Connections: Screw terminals
Installation: Lock-in mounting type (no mounting hardware necessary)
Dimensions: 45 mm (1.772") square (1/16 DIN) panel cutout; 90 mm (1.88") depth behind panel
Panel Thickness: 1.0 to 3.5 mm (0.04 to 0.14")
Weight: 210 g (0.463 lb)

Companion Controllers from CN350, CN360 and CN370 Series—Available in This Section!



MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

Non-Indicating Model No.	Price	Indicating Model No.	Price	Input Type	Range
CN355-JF		CN375-JF		J	0 to 799°F
CN355-JC		CN375-JC		J	0 to 399°C
CN355-KF		CN375-KF		K	0 to 999°F
CN355-KC5		CN375-KC		K	0 to 999°C
CN355-KC6		–	–	K	0 to 1199°C
CN355-RF		–	–	R	0 to 2999°F
CN355-RC		–	–	R	0 to 1699°C
CN355-SC		–	–	S	0 to 1699°C
CN355-P1F		CN375-P1F		RTD	0 to 799°F
CN355-P1C		CN375-P1C		RTD	0 to 399°C

Ordering Example: CN375-KF, *indicating high-limit controller, Type K thermocouple input, -18 to 537°C (0 to 999°F) range,*

For Additional Controllers and Indicators, See Section M

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