Honeywell

TS300

DUAL TEMPERATURE SENSOR

Honeywell's feature-rich TS300 was engineered to meet the demands of a wide range of applications. From florists and butchers to pet shops, computer centers and residences, the TS300 provides uncompromising performance. Unique features such as simultaneous use of local and remote temperature probes, programmable hysteresis and audible alarm with silence timeout, illustrate the sensor's flexibility in installation, programming and operation.

FEATURES

Flexibility

The TS300 allows the end-user to independently program local and remote temperature probes in accordance with varying environmental requirements.

Audible Alarm with Silence Timeout

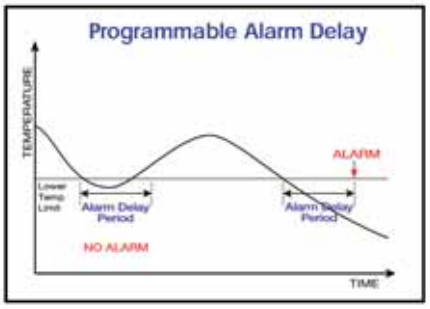
The TS300 is equipped with an audible alarm which sounds once the temperature at an enabled sensor varies outside of its defined limits. The TS300 allows users to designate a "time-out" time. With the touch of a button, users may silence a sounding alarm for a period of time.

Versatility

The TS300 is a dual temperature sensor that has the capacity to simultaneously monitor both local and remote temperature probes.

Programmable Alarm Delay

Designed to reduce the occurrence of nuisance alarms during temporary conditions, this feature allows the user to delay the sounding of the alarm for a designated period of time. Routine task, which may cause the temperature to rise above or fall below the programmed alarm point, may be completed without generating an alarm.

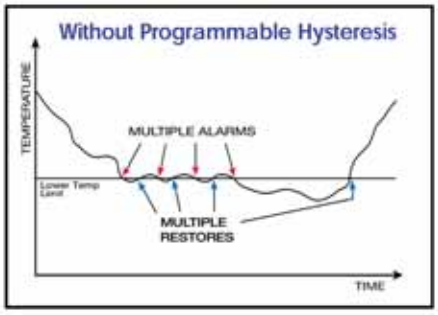


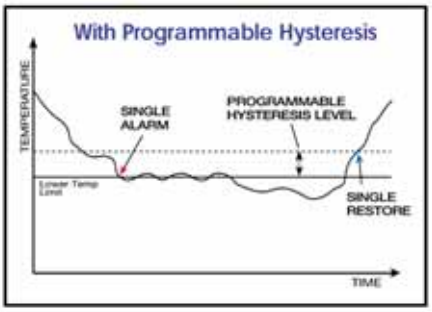
Alarm Memory

Up to eight events are stored in memory. An alarm event is one where the relay output was activated.

Programmable Hysteresis

Temporary conditions often influence the gradual rise and fall of temperatures around the alarm point. Under such conditions, conventional sensors generate multiple alarms and restore messages. With the Programmable Hysteresis feature, an alarm is generated only the first time the temperature reaches the alarm point. As long as the temperature fluctuates within the "Hysteresis Range", no subsequent alarms will be transmitted until the environment has reached the predetermined restore temperature.





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SPECIFICATIONS

TS300
Dual Temperature Sensor

Temperature Range/Accuracy

Local Sensor
- 32° F to 140° F (0° C to 60° C)
- +/-3° F (+/-1.7° C)

Remote Probe
- -40° F to 140° F (-40° C to 60° C)
- +/-4° F (+/-2.2° C)

Hi and Low Limits
- Minimum span between
- 4° F (2.2° C)

Input Voltage
- 7 to 16VDC

Input Current
- 25 mA (max.)

Case Dimensions
- 4" x 2.6" x 0.9"
- (10.2cm x 6.6cm x 2.3cm)

Alarm Delay
- 0-255 minutes in one minute increments

Alarm Output Type
- (2) Form A reed relays

Alarm Output Resistance
- 25 ohms maximum

Alarm Output Rating
- 50mA/30VDC maximum

Audible Alarm
- 4 kHz, 75 dB @10cm pulsed 750 mS on/off

Audible Alarm Silencing
- 0-255 minutes in one minute increments

T280R
Remote Temperature Probe for use with the TS300

Description
- The Remote Probe is a sealed temperature sensor with 15 feet of two conductor, 24 AWG stranded cable.

Chemical Properties
- Non-corrosive waterproof

Max. Cable Length
- 300 feet (The T280R may be extended from 15' up to 300' using shielded 24 AWG cable.)

Max. Compression Force Applied To Probe
- 10 lb. force

Max. Tensile Force Applied Between Probe and Cable
- 5 lb. force

ORDERING

TS300	Dual Temperature Sensor
T280R	Remote Temperature Probe

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