TS300

Dual Temperature Sensor

The Honeywell Home 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 AND BENEFITS

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

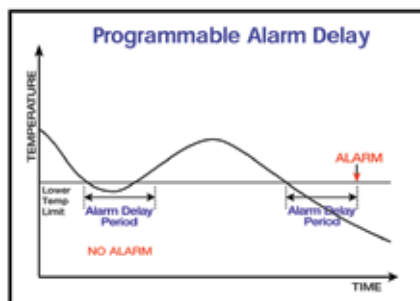- **Audible Alarm with Silence Timeout**
  The TS300 is equipped with an audible alarm which sounds once the temperature at an enabled sensor varies outside of its defined limits. The TS300 allows users to designate a "time-out" time. With the touch of a button, users may silence a sounding alarm for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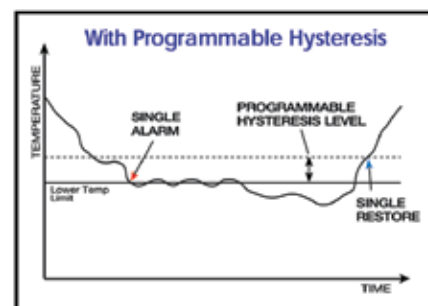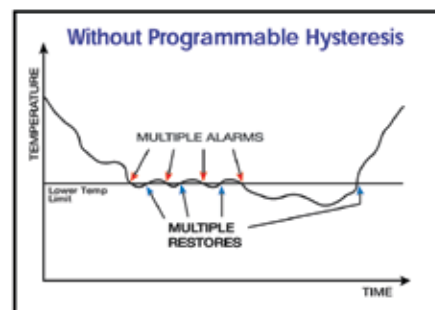

- **Alarm Memory**
  Up to eight events are stored in memory. An alarm event is one where the relay output was activated.

- **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.

TS300 Technical 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

For more information

security.honeywellhome.com/hsc

Honeywell Home