

# 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**

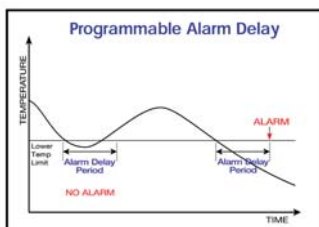
The TS300 is equipped with an audible alarm which sounds once the temperature at an enabled sensor varies outside of its defined limits. The TS300 allows users to designate a "time-out" time. With the touch of a button, users may silence a sounding alarm for a period of time.

- **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.

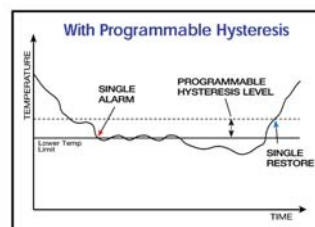
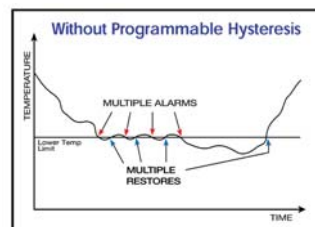


- **Alarm Memory**

Easy way to check function and detection area.

- **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	8.0 V to 15 VDC
Local Sensor	<ul style="list-style-type: none"><li>• 0°C to 60°C</li><li>• +/-1,7°C</li></ul>
Remote Probe	<ul style="list-style-type: none"><li>• -40°C to 60°C</li><li>• +/-2,2°C</li></ul>
Hi and Low Limits	<ul style="list-style-type: none"><li>• Minimum span between</li><li>• 2,2°C</li></ul>
Input Voltage	7 to 16VDC
Input Current	25 mA (max.)
Case Dimensions	10.2 cm x 6.6 cm x 2.3 cm
Alarm Delay	0-255 minutes in 1 minute increments
Alarm Output Type	(2) Form A reed relays
Alarm Output Resistance	25 ohms maximum
Alarm Output Rating	50mA/30VDC maximum
Audible Alarm	4kHz, 75dB@10cm pulsed 750 mS on/off
Audible Alarm Silencing	0-255 minutes in 1 minute increments

#### T280R

Remote Temperature Probe for use with the TS300

Description	The Remote Probe is a sealed temperature sensor with 4,5m of two conductor, 24 AWG stranded cable.
Chemical Properties	Non-corrosive Waterproof
Max. Cable Length	90m (The T280R may be extended from 4,5m up to 90m using shielded 24 AWG cable.)
Max. Compression Force Applied To Probe	4,5kg force
Max. Tensile Force Applied Between Probe and Cable	2,2kg force

### Ordering

Item no.	Description
TS300	Dual Temperature Sensor
T280R	Remote Temperature Probe

#### Honeywell Security & Custom Electronics

Network 121

1446 WV Purmerend

Netherlands

T: +31 (0)299 410 200

F: +31 (0)299 410 201

[www.honeywell.com/security/nl](http://www.honeywell.com/security/nl)

#### Honeywell Security Deutschland

Novar GmbH

Johannes-Mauthe-Str. 14

72458 Albstadt

T: +49(0) 74 31/801-0

F: +49(0) 74 31/801-12 20

[www.honeywell.com/security/uk](http://www.honeywell.com/security/uk)

[info.security.uk@honeywell.com](mailto:info.security.uk@honeywell.com)

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