# Supco

# TA Series
## Temperature Alarms

### Protect all your Temperature Sensitive areas with a complete line of Temperature Alarms.

**MADE IN THE USA**

## Features/Benefits
- Adjustable alarm temperature ranges
- Audible db and visual alarm
- Built-in terminals for remote alarm or telephone dialer connection (except TA7)
- Switch for 'No delay' or '1 hour delay'

## Applications
- Food Markets, Convenience Stores, Supermarkets
- Restaurants
- Florists, Greenhouses
- Laboratories, Phamaceutical Storage Facilities
- Refrigerated Transport, Cold Storage Facilities
- Computer Room

### TA22
#### Single Set Point Temperature Alarm With Digital Display
Easy to read display shows current Temperature, Alarm Status, Over/ Under mode indicator, Alarm Set Point and Temperature (°F or °C).
- Adjustable range from -40°F to +160°F (-40°C to +71°C)
- Back Lit Display
- 90 db audible alarm

| MODEL NO. | |
|---|---|
| TA22 | 120 VAC |
| TA22-220EU | 220 VAC Europe |

**NEW**

### TA2
#### Single Set Point Temperature Alarm
A reliable, inexpensive alarm for refrigerators and freezers. Just flip a switch to activate alarm on a rise or fall in temperature.
- Adjustable range from -10°F to +80°F (-25°C to +30°C)
- 90 db audible alarm

| MODEL NO. | |
|---|---|
| TA2 | 120 VAC Fahrenheit Model |
| TA2C | 120 VAC Celsius Model |
| TA2-220 | 220 VAC Fahrenheit Model |
| TA2-220C | 220 VAC Celsius Model |

### TA6
#### Dual Set Point Temperature Alarm
Alarms on a rise and fall in temperature.
- Adjustable Range from -10°F to +80°F (-25°C to +30°C)
- 90 db audible alarm

| MODEL NO. | |
|---|---|
| TA6 | 120 VAC Fahrenheit Model |
| TA6C | 120 VAC Celsius Model |
| TA6220 | 220 VAC Fahrenheit Model |
| TA6C220 | 220 VAC Celsius Model |

## TA7

### Battery Operated Temperature Alarm

For sensitive temperature applications in remote areas, this battery operated unit is inexpensive and easy to install. Alarms on rise in temperature only.

- Adjustable Range from -10°F to +80°F (-25°C to +30°C)

| MODEL NO. | |
|-----------|----------------|
| TA7 | Fahrenheit Model |
| TA7C | Celsius Model |

## TAP4

### Four (4) Probe Temperature Alarm

Set alarms for 4 separate temperature applications. Provides a quick alert for a multitude of temperature problems.

- Adjustable Range from -40°F to +100°F (-40°C to +38°C)
- 90 db audible alarm

| MODEL NO. | |
|-----------|-------------------------------------|
| TAP4 | -40°F to 60°F; 0°F to 100°F, 120V |
| TAP4-220 | -40°F to 60°F; 0°F to 100°F, 220V |
| TAP4C | -18°C to 38°C; -40° C to 16°C, 120V |
| TAP4C-220 | -18°C to 38°C; -40° C to 16°C, 220V |

## TA3

### Panel Mount Digital Temperature Alarm

This panel mounted temperature alarm with digital display provides both an audible and visual alarm. Alarms on rise or fall in temperature.

- Adjustable Range from -50°F to +170°F (-25°C to +96°C)

| MODEL NO. | | |
|-----------|---------|------------------|
| TA3 | 120 VAC | Fahrenheit Model |
| TA3C | 120 VAC | Celsius Model |
| TA3-220 | 220 VAC | Fahrenheit Model |
| TA3C220 | 220 VAC | Celsius Model |

## ADTA

### Auto Dialer For Temperature Alarms

- Call up to 4 telephone numbers
- 16 second message
- Non-Volatile memory for numbers and voice message
- Internal 9V back up battery (not included)
- LCD display
- 120V power adapter (included)

## TAL2

### Dual Temperature Alarm Logger

Set high and low alarms for two (2) temperature sensitive applications, and track their temperature trends, simultaneously.

**Logger Functions**
- Programmable interval (1 sec. to 18 hrs.)
- Data rollover
- Store 32,250 (single temp.) or 16,125 (dual temp.) data points
- Battery backup
- Software and cable included
- Minimum System Requirements: 8MB of RAM, 2M of disk space, 800 x 600 resolution, 1 free COM port or a free USB port (optional USB interface is required, p/n USBS)

**Alarm Functions**
- Adjustable Range from -50°F to +86°F (-45°C to +30°C)
- Audible alarm & Relay contacts
- Relay contacts can connect to remote alarm dialer
- Programmable alarm delay
- Alarm event storage (up to 45 events)

## Temperature Alarm Specifications

| | TA22 | TA2 | TA6 | TA7 | TAP4 | TA3 |
|---|---|---|---|---|---|---|
| **Alarm Channels** | 1 | 1 | 1 | 1 | 4 | 1 |
| **Alarm Adjustment Range** | -40°F to 160°F (-40°C to 71°C) | -10°F to 80°F (-25°C to 30°C, Celsius model) | -10°F to 80°F (-25°C to 30°C, Celsius model) | -10°F to 80°F (-25°C to 30°C, Celsius model) | 40°F to 60°F and 0°F to 100°F (-18°C to 38°C and -40°C to 16°C, (Celsius model) | -50°F to 170°F (-30°C to 96°C, ( for Celsius model) |
| **Probe** | Encapsulated sensor with 6 ft. cord | Encapsulated sensor with 6 ft. cord | Encapsulated sensor with 15ft. cord | Encapsulated sensor with 6 ft. cord | Encapsulated sensor with 15 ft. cord (4 included) | Encapsulated sensor with 6 ft. cord (TA3P) |
| **Sensor Type** | Thermistor | Thermistor | Thermistor | Thermistor | Thermistor | J-Type Thermocouple |
| **Maximum Probe extension** | 200 ft. | 200 ft. | 200 ft. | 100 ft. | 300 ft. | 200 ft. |
| **Temperature Accuracy** | +/-2°F (+/- 1°C) | | | | | |
| **Remote Alarm Connections** | Screw type, 120 VAC, 5 Amp max (dry contacts) | Screw type 120 VAC, 5 Amp max. (dry contacts) | Screw type, 120 VAC 5 Amp max (dry contacts) | None | Terminal strip screw connection 120VAC 5 Amp max (dry contacts) | Screw type, 120 VAC 0.5 Amp max (dry contacts) |
| **Power** | 115 VAC (230 V optional) | 115 VAC (230 V optional) | 115 VAC (230 V optional) | 9 VAC alkaline battery (not included) | 115 VAC or 230 VAC power adapter supplied | 115 VAC (230 V optional) |
| **Battery Backup** | | | | | 9V alkaline (not included) | 9V alkaline (not included) |
| **Case** | Hi-impact thermoplastic | Hi-impact thermoplastic | Hi-impact thermoplastic | Hi-impact thermoplastic | NEMA 3 type | (1 3/4" x 3 5/8" cut out required) |
| **Mounting** | Surface, external holes provided | Surface, external holes provided | Surface, adhesive pads/key hole slot | Surface, external holes provided | | Panel Mount |
| **Dimensions** | 3" x 5" x 1 1/2" (76.2mm x 127mm x 38.1mm) | 3" x 4 7/8" x 1 5/8" (76.2mm x 101.6 x 25.4mm) | 3" x 4 7/8" x 1 5/8" (76.2mm x 101.6 x 25.4mm) | 5 3/4" x 1 1/2" x 1" (127mm x 38.1mm 25.4mm) | 6" x 7 1/2" x 3" (152.4mm x 190.5mm x 127mm) | 1 11/16" x 3 9/16" x 5 3/16" (25.4mm x 76.2mm x 127mm) |
| **Weight** | 13 oz | 13 oz | 13 oz | 5 oz | 1.9 lbs. (0.86kg) | 24 oz |
| **Warranty** | 1 year | 1 year | 1 year | 1 year | 1 year | 1 year |

## Temperature Alarm Accessories

| | | TA22 | TA2 | TA6 | TA7 | TA3 | TAP4 |
|---|---|---|---|---|---|---|---|
| SW25 | 25' Extension Wire | * | * | * | * | | * |
| SW50 | 50' Extension Wire | * | * | * | * | | * |
| SW75 | 75' Extension Wire | * | * | * | * | | * |
| SW100 | 100' Extension Wire | * | * | * | * | | * |
| TCW25 | 25' Type J Thermocouple Wire | | | | | * | |
| TCW50 | 50' Type J Thermocouple Wire | | | | | * | |
| TCW75 | 75' Type J Thermocouple Wire | | | | | * | |
| TCW100 | 100' Type J Thermocouple Wire | | | | | * | |
| TA3P | Probe w/ 6' Type J Thermocouple Wire | | | | | * | |
| 11093 | Replacement Sensor Old Style (red tip) | * | * | | | | |

## Temperature Alarm Accessories

| | | TA22 | TA2 | TA6 | TA7 | TA3 | TAP4 |
|---|---|---|---|---|---|---|---|
| TA7PROBE | Probe w/ 4' extension wire | | | | * | | |
| 14265 | Replacement Sensor | | | | | | * |
| USBS | USB to Serial Interface | | | | * | | |
| ADTA | Auto Dialer | * | * | * | | * | * |
| 14263 | 120 V Power Adapter (Supplied) | * | * | * | | | * |
| 20540 | Replacement Sensor 6' new style metal tip (after serial #) | * 405-099 | * 412-029 | * | | | |

## TAL2 Specifications

| | | | |
|---|---|---|---|
| Alarm Channels | 2 | Power | 110V or 220VEU power adapter supplied (p/n 14950) |
| Alarm Adjustment Range | -50°F to 86°F (-45°C to 30°C) | Battery Backup | 9V alkaline battery (not included) |
| | | Case | Hi-Impact thermoplastic |
| Accuracy | $\pm$2°F ($\pm$1°C) | Dimensions | 3" x 2.5" x 1.1" (127mm x 63.5mm x 27.94mm) |
| Probe | Encapsulated sensor with 15 ft. cord | Weight | 2.5 oz |
| Sensor Type | Thermistor | Warranty | 1 year |
| Maximum Probe extension | 300 ft. | Remote Alarm Connections 48 volts, 100mA maximum | Normally open (N.O). Closed on alarm. |

# THA2

## TEMPERATURE HUMIDITY ALARM
### WITH LOGGING CAPABILITY

**The THA2 is a multi-function product that monitors Temperature, Humidity and Dew Point, provides alarms for out of range conditions and continuously logs data. No computer setup is needed.**

### Features/Benefits

Measures and Logs
- Temperature
- Humidity
- Dew Point
- Audible and Visual Alarm

- Digital Display
- Log up to 170 Days of Data
- Relay Contacts for Remote Alarm or Auto Dialer (ADTA)
- PC Software Included

- Serial Port Connection (for USB connection use optional USBS adapter)
- Remote Sensor Up to 300 ft

### Applications
- Food Markets, Convenience Stores, Supermarkets
- Restaurants, Florists, Greenhouses
- Laboratories, Pharmaceutical Storage Facilities
- Refrigerated Transport, Cold Storage Facilities
- Computer Rooms

**MADE IN THE USA**

### Specifications

**Stand alone front panel operation, with user lockout for security.
PC software is provided with the unit for viewing data history.**

| Sensor Probe | |
| --- | --- |
| Operating Temperature Range | -40°F to 140°F (-40°C to 60°C) |
| Operating Humidity Range | 0 to 95% RH, non condensing |
| Temperature Accuracy | +/- 2°F (+/- 1°C) |
| Temperature Resolution | 0.1°F or °C |
| Humidity Accuracy | +/-2% RH |
| Humidity Resolution | 0.1% RH |
| Calibration | User calibration for Temperature and Humidity |
| Dimensions | 3.8 inches length with a diameter of 1.1 inches |
| Weight | 0.9 oz. |
| Cable Length | 300 ft. maximum |
| **Base Unit** | |
| Operating Temperature Range | +32°F to 130°F (0°C to +54°C) |
| Storage Temperature | 0°F to 130°F (-18°C to +54°C) |
| Operating Humidity | 0% RH to 95% RH, non condensing* |
| Power Source | 12V to 24 VAC/VDC, 0.78W alarm active |
| Battery Backup | 9V alkaline battery for 35 hours operation during power outage |
| Clock Battery | CR2032, 10 years typical |
| Relay | N.O and N.C dry contact 5A 250V, resistive load |
| Dimensions | 5.5" x 4.5" x 1.6" |
| Weight (without battery backup) | 8.6 oz. |
| **Alarm Specifications** | |
| Temperature Alarm | High and Low Temperature and Humidity alarms. Condensation alarm |
| Alarm Delay | User selectable, up to 2 hours |
| Alarm Indication | Audio, Visual and a relay for remote alarm and phone dialer |
| **Logging Specifications** | |
| Sample Rate | 1 second to 30 minutes |
| Data History Storage | 2 hours to 170 days, depending on the sample rate |
| Memory Capacity | 8150 samples for Temperature, Humidity and Dew Point |

\* The sensor probe is not designed for continuous exposure to high humidity or caustic and or corrosive chemicals such as, but not limited to concrete or chlorine.

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