



TA Series Temperature Alarms

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



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, Pharmaceutical 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

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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

Temperature Alarm Accessories

	TA22	TA2	TA6	TA7	TA3	TAP4		TA22	TA2	TA6	TA7	TA3	TAP4
SW25 25' Extension Wire	*	*	*	*	*	*		TA7PROBE Probe w/ 4' extension wire			*		
SW50 50' Extension Wire	*	*	*	*	*	*		14265 Replacement Sensor					*
SW75 75' Extension Wire	*	*	*	*	*	*		USBS USB to Serial Interface		*			
SW100 100' Extension Wire	*	*	*	*	*	*		ADTA Auto Dialer	*	*	*	*	*
TCW25 25' Type J Thermocouple Wire						*		14263 120 V Power Adapter (Supplied)	*	*	*		*
TCW50 50' Type J Thermocouple Wire						*		20540 Replacement Sensor	*	*	*		
TCW75 75' Type J Thermocouple Wire						*		6' new style metal tip					
TCW100 100' Type J Thermocouple Wire						*		(after serial #)	405-099				
TA3P Probe w/ 6' Type J Thermocouple Wire					*								
11093 Replacement Sensor Old Style (red tip)	*	*											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)
Accuracy	±2°F (±1°C)	Case	Hi-Impact thermoplastic
Probe	Encapsulated sensor with 15 ft. cord	Dimensions	3" x 2.5" x 1.1" (127mm x 63.5mm x 27.94mm)
Sensor Type	Thermistor	Weight	2.5 oz
Maximum Probe extension	300 ft.	Warranty	1 year
		Remote Alarm Connections	Normally open (N.O). Closed on alarm.
		48 volts, 100mA maximum	



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



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

Applications

- Food Markets, Convenience Stores, Supermarkets
- Restaurants, Florists, Greenhouses
- Laboratories, Pharmaceutical Storage Facilities
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* 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.