

General Description

The TAI-200 Temperature Alarm Indicator features a remote sensor, adjustable tamper resistant high/low setpoint limits, automatic alarm reset, 24VAC alarm output and both audible and visible alarms. The TAI-210 model features a surface mount case. Both models include ES-100 sensor. Upon alarm status, a reset button may be depressed to silence the audible alarm only for a selectable period of time (4 min. or 30 min.) while the “out of range” situation is corrected. The TAI-200 will automatically reset back to a normal mode once the temperature conditions are satisfied. Versatility and low cost of the TAI-200/210 Temperature Alarm/Indicators make them ideal as general purpose, tamper resistant alarm/indicators.

TEMPERATURE ALARM INDICATOR

TAI-200 - Flush Mount Version

TAI-210 - Surface Mount Version

TAI-201 - Flush/Celsius

TAI-211 - Surface/Celsius

See back page for ordering information

Features

- .56” LED display
- Electronic sensor (TS-10) included
- Transformer
- Audible and flashing LED alarms
- Audible alarm silence button
- 12 or 24VAC (depending on model) alarm output
- Stainless steel face plate

Accessories (not included)

- TS-10: electronic wall mount sensor (°F)
- TR-115/12-5 - 115V to 12 VAC transformer
- TR-115/24-5 - 115V to 24 VAC transformer
- TR-240/24-5 - 240V to 24 VAC transformer
- Other sensors available - contact factory

Specifications

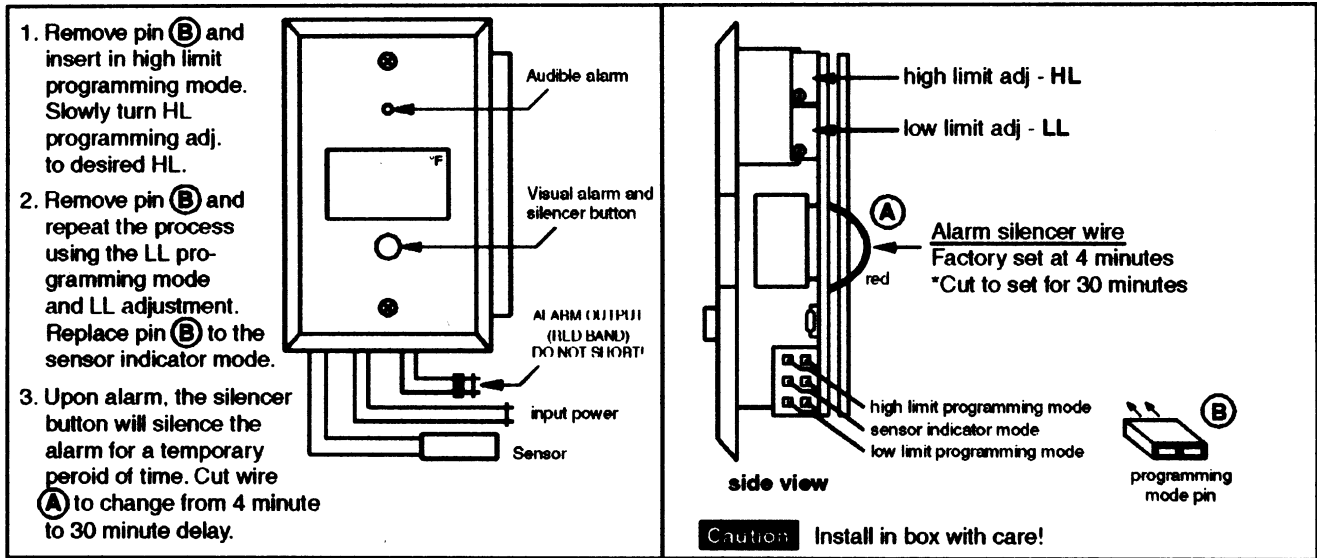
- Input power requirements: 12 or 24 VAC or 12 or 24 VDC - depending upon model
- Range: TAI200/210 indicator (-40° to +199°F), TAI-201 indicator (-40° to 93°C)
- Operating ambient temperature range: 15° to 140°F (-6° to 60°C)
- Temperature sensor: 3 conductor 26 gauge, 36” lead. It can be extended up to 1,000 feet (305 meters) Sensor is NSF Approved. Sensor is included with the part. Replacement sensors are available - part number is ES-100.
- Accuracy: $\pm 0.75^\circ\text{F}$, linearity: 0.5°F
- Case Dimensions: Flush mount (TAI-200) requires a 2” x 4” junction box (5.08cm x 10.16cm).
Surface mount (TAI-210) is enclosed in a plastic wall mount case that is 4.625”h x 3.0”w x 1.6875”d (11.75cm x 7.62cm x 4.29cm)
- Audible alarm silence button: Silences the onboard audible alarm for approximately 4 or 30 minutes.
- Adjustable silence option: Factory set at approximately 4 minutes, cut wire for 320 minute delay.
- Adjustable alarm limits: High and low limits are adjustable from -40° to 199°F (-40° to 99°C).
- Triac alarm output: Single 12 or 24 VAC and 0.6A max.
- Upon Alarm Status, a reset button may be depressed to silence the audible alarm for a selected period of time (4 or 30 minutes). Unit will automatically reset once “out of range” temperature conditions are corrected.

Installation & Operation

IMPORTANT!

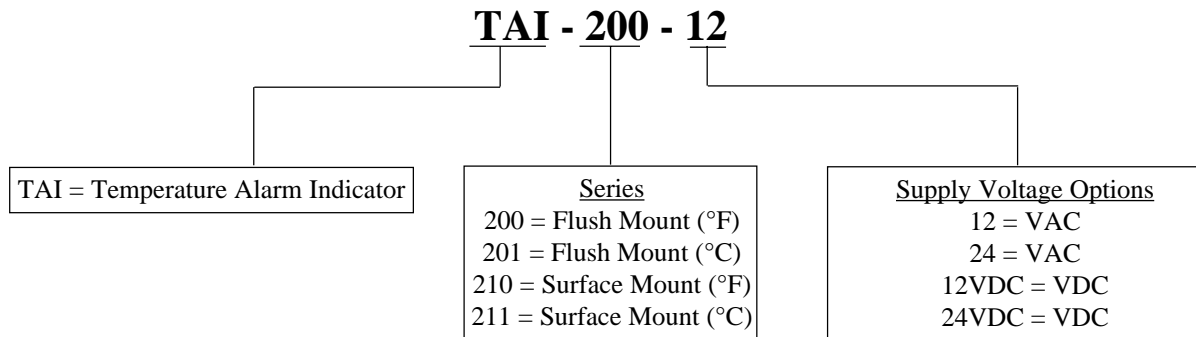
Installation must be performed by trained personnel, and in accordance with local codes, ordinances, regulations and instructions. **Warning: Improper installation could result in hazardous condition and damage to the unit. DO NOT GROUND OR SHORT VOLTAGE INPUT OR OUTPUT LEADS! Do not obstruct case ventilation holes.**

continued on next page



Ordering Information

Please use the following example to determine the correct part number when ordering this part. Full ordering information may be found on our Standard Products Price Sheet.



Custom Design & Modifications

In addition to standard models, Control Products specializes in complete custom design of electronic controls. Modifications of standard controls such as wire length and guarded access are also available. Please consult our sales department for more information.

Warranty

Control Products, Inc. warrants its products to be free from defects in material and workmanship under normal use for one year and is not responsible for consequential damages or installation costs of any nature. Exposure to contaminants and extreme environmental conditions such as moisture, temperature, chemicals, etc. may cause the unit to degrade or fail. Control Products accepts no liability for product applications or customer application testing.