



TEMP ALERT TA-40 Low Temperature Freeze Sensor Instructions

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TEMP ALERT TA-40 Low Temperature Freeze Sensor Instructions



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SPECIFICATIONS

Power Requirement: No power required to operate.

Fixed Setting: Normally Closed above 39.5°F (4.17° C)

Temp Accuracy: +54°F (±3°C)

Temp Sensing Element: Bimetallic

Outputs: Normally Closed dry contact (Not for high voltage use.)

Contact Output Rating: 200mA @ 24VDCIVAC

Operating Temperature: -40 to 212° F (-40 to 100° C); non-condensing environment. Indoor use only.

Weight: 302(859)

Dimensions: 2.5x1.8x0.55" (6.4x2x 1.4 cm)

Material: ABS

Mounting: 2 screw holes (0.165"[0.42 cm] diameter)

Introduction

Thank you for your purchase of the Winland Temp Alert model TA-40. Your new Temp Alert has been designed for reliable monitoring of areas where low temperature limits are critical. Temp" Alert monitors and activates when the temperature drops below 39.2° F (4° C).

LOCATION

It is difficult to precisely specify the location or quantity of TA-40s to install. A number of factors such as room size, effectiveness of the ventilation system, and the likelihood of freezing should be considered. If the building already has an energy management system, an easy rule of thumb is to install a TA-40 near each thermostat. When protecting a building against freeze damage, always install at least one Temp Alert on every level of the home or business.

Installation

Items needed:

- Either Standard or Phillips screwdriver
- Quantity of two (2) #6 Screws
- 18-22 AWG twisted pair

Step 1

Use the base of the TA-40 as a template and mark the position of the screw holes. Drill pilot holes if necessary. Align the TA-40 with mounting holes and install the screws. Do not fully tighten screws at this time.

Step 2

Connect the TA-40 to your warning device by attaching an 18-22 AWG twisted pair cable to the terminals. Slide the cover on and finish tightening the mounting screws.

Operation and Testing Procedures

The TA-40 must be located in an area where the temperature range is within -40° to 212° F (-40° to 100° C). Contacts will remain closed at temperatures above 39.2° F (4° C). But if the temperature drops below 39.2° F (4°) the contacts will open to activate any hardwire alarm or wireless transmitter. The tolerance on this temperature switch is +54°F.

To manually activate the TA-40 for testing purposes, place the device in a freezer for 10 minutes. Remove the TA 40 from the freezer; test the contacts with an ohmmeter to confirm they have opened.

To insure proper operation, test weekly.

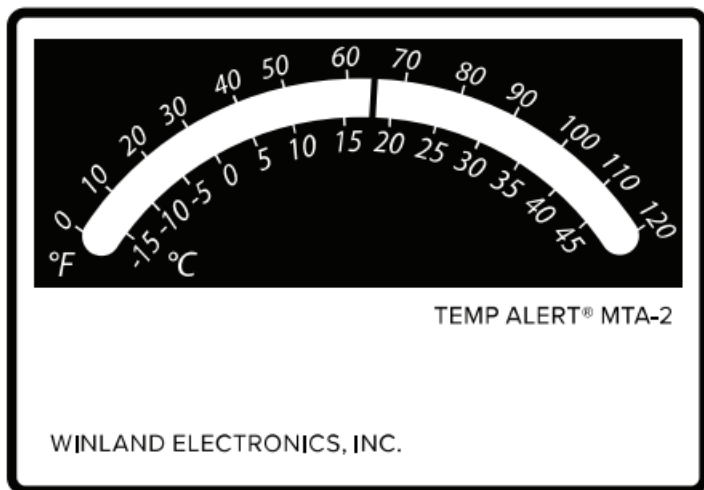
Dual output temperature monitoring

No power required to operate.

20to 110°F alarm range; non condensing environments only.

N..dry contacts.

Not for use in coolers and freezers.



IMPORTANT:

Do not place any Temp" Alert in a cooler or freezer. Frost buildup and moisture can cause the unit to malfunction. For cooler & freezer applications, use an Enviro Alert" device with a remote probe.

One Year Limited Warranty

Winland Electronics, Inc. ("Winland") warrants to the end user/purchaser that each product of its manufacture shall be free from defects in material and factory workmanship for a period of one year from the date of purchase, when properly installed and operated under normal conditions according to Winland's instruction.

Winland's obligation under this warranty is limited to connecting, without charge, at its factory any part or parts thereof which shall be returned to the factory, by the original purchaser, transportation charges prepaid, within one year of the date of purchase and which upon examination, shall disclose to Winland's satisfaction to have been originally defective. Correction of such defects by repair to, or supplying replacements for, defective parts shall constitute fulfillment of all Winland's obligations to purchaser under this limited warranty. Repair service performed by Winland after one year from date of purchase will be for a reasonable service charge.

This limited warranty shall not apply to any of Winland's products which have been subject to misuse, negligence

or accident or which have been repaired or altered outside of Winland's factory. The warranty is void if the Product's housing or cover is removed.

Win land shall not be liable for loss, damage or expense resulting, directly or indirectly, from the use of its products or any other cause.

This warranty shall be null and void in its entirety if: (i) the product is altered or modified in any way that is not consistent with the manufacturer's instructions, or (ii) the product is used with or connected to a device: (a) that such product is not intended to be used with or connected to, (b) is not otherwise consistent with the manufacturer's instructions, or (c) is not otherwise approved by the manufactures.

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No person, agent or dealer is authorized to give warranties on behalf of Winland nor to assume for Winland any other liability in connection with any of its products.

Tech Support 8:00am – 5:00pm Central Time
(800) 635-4269
www.winland.com

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Documents / Resources

	<p>TEMP ALERT TA-40 Low Temperature Freeze Sensor [pdf] Instructions</p> <p>TA-40, TA-40 Low Temperature Freeze Sensor, Low Temperature Freeze Sensor, Temperature Freeze Sensor, Freeze Sensor, Sensor</p>
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References

- [User Manual](#)