

# TEMP° ALERT®

## Model MTA-1

Part No. M-001-0098

### Installation / Owners Manual



#### Introduction

Thank you for your purchase of the Winland Temp° Alert® model MTA-1. Your new Temp° Alert® has been designed for reliable monitoring of areas where high and low temperature limits are critical. Temp° Alert® measures temperatures from 30° to +100° F (-1° to +38° C). This unit will separately zone out high and low temperature alarm signals. This unique feature enables you to instantly identify whether your facility being monitored has a high or low temperature condition.

Simply select an acceptable temperature range by setting the adjustable high and low limit stops. If temperatures in the monitored area rise above or fall below the preset limits, the temperature indicator will contact one of the preset limit stops. This completes the circuit and provides you with a dry contact alarm signal. The MTA-1 contacts are normally open dry contacts rated at 50 mA at 12 VDC. This output can be used to activate alarm systems, telephone dialers, or other remote warning devices. Temp° Alert® is the ideal addition for any security system.

The package you purchased should contain:

- Temp° Alert® unit
- Two mounting screws and two plastic wall anchors

#### Location

In specifying the location and number of Temp° Alerts® to install consider room size, effectiveness of the ventilation system, and critical monitoring areas. If the building already has an energy management system, an easy rule of thumb to follow is to install a Temp° Alert® near each thermostat. It should be mounted on a wall or other vertical surface in the area where temperature is to be monitored. Make sure it is well clear of windows, doors, or heat sources that could cause an inaccurate reading of air temperature. **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:

- Standard screwdriver
- 5/16" wrench or nut driver

##### Step #1 – Opening the Case

Begin with the device facing you. Turn the device 90° to the right to expose the left end of the case. Notice that the left end of the base plate has been tooled with a single attachment hole whereas the right end has not. Grasp the device with your right hand, position your thumb on the center of the left end of the device above the seam with your remaining fingers on the right end of the device (See Figure 1). Press hard with your thumb to disengage the latching pin. Separate the two halves by pulling the device away from the base plate.

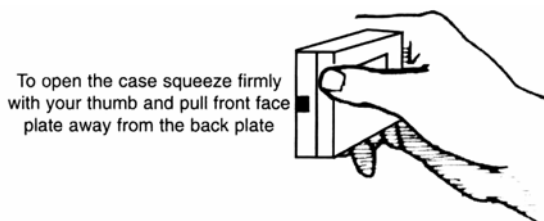


Figure 1

##### Step #2 – Attach Base Plate to Mounting Surface

After you have determined a location for the device to be mounted, position the base plate of the device on the mounting surface with your hand and mark the center point of the mounting holes with a pen or other marking device. Mount the base plate to the wall using the included mounting screws. Depending on the type of surface you are mounting to, you may need to pre-drill holes to accept the mounting screws alone, or the plastic anchors and mounting screws

##### Step #3 – Selecting the High and Low Set Points

Each limit post is controlled by a locknut. Use a 5/16" nut driver or wrench to loosen (turn counter clockwise) the high and low adjustment posts (See Figure 2). After loosening, slide the posts to the proper temperature setting. Once the posts are in the proper setting locations, simply retighten the lock nuts (turn clockwise). Avoid over tightening of the locknut.

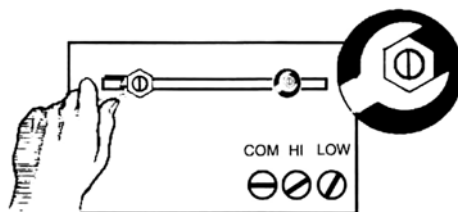


Figure 2  
(View with Back Cover Removed)

##### Step #4 – Making the Wiring Connections

To complete the installation, use three conductor stranded or solid wire to connect the Temp° Alert® to a control panel, dialer, etc. See Figure 3 for an example of a standard installation that utilizes differentiated notification outputs for high and low temperature occurrences.

If desired, the HI limit wire and LOW limit wire may be connected together under a single zone. This is useful whenever a limited number of open zones are available and you do not wish to differentiate between a high and low temperature notification.

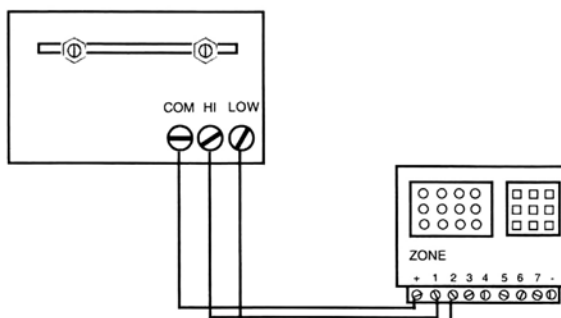


Diagram shown above will activate zone 1 if the high limit is exceeded and zone 2 if the low limit is exceeded

Figure 3

### Step #5 – Attach Front Cover to Base Plate

Grasp the device with your right hand by positioning your thumb on the center of the left end of the device above the locking pin and positioning your remaining fingers on the right end of the case (See Figure 1). Align the retaining tabs on the right edge of the case with the holes on right edge of the base plate currently attached to the mounting surface. Press hard with your thumb on the left end of the device and swing the device back toward the base plate until the device seats properly into the base plate and the locking pin engages.

**Important Note: To insure proper operation, test the unit weekly.**

### Operation and Testing Procedures

For proper operation, the Temp° Alert® must be located in an area where the temperature range is within 30° to +100° F (-1° to 38° C). To manually activate the Temp° Alert® for testing, loosen the locknut of one limit post and slide it toward the temperature indicator until it makes contact. If installed correctly, this test procedure should activate the warning device to which the Temp° Alert® is connected. After testing, return the limit arm to its original set point and tighten the locknut. The same test procedure should also be repeated with the second limit arm to verify proper operation.

**Important: Do not use the MTA-1 Temp° Alert® in a cooler or freezer. Frost build-up and moisture can cause the unit to malfunction. For cooler & freezer applications, use one of the EnviroAlert® products (EA200-12, EA200-24, EA400-12, EA400-24) with a remote probe.**

### Recalibration

Occasionally during shipping or handling, the Temp° Alert® may get knocked out of calibration. If you feel that the Temp° Alert® is displaying temperatures a degree or two higher or lower than the actual temperature, simply adjust your high and low temperature limits up or down to allow for the calibration error. If the amount of error is serious, call Winland's technical support personnel for special recalibration instructions.

### Specifications

Temp° Alert® MTA-1 (P/N M-001-0098)	
Operating Temperature	30° to +100° F (-1° to +38° C)
Temperature Accuracy	+/- 3° F (+/- 1.67° C) of indicated temperature
Temperature Response	Shift from 30° to +100° F (-1° to +38° C) approximately 7"/per minute in well stirred air
Contacts	Normally Open Dry Contact - Gold Plated
Contact Ratings	12 VDC at 50mA (max) <b>DO NOT USE FOR 110 VAC, HIGH VOLTAGE OR HIGH CURRENT</b>
Case Material	ABS
Weight	6 ounces (.17 kg)
Dimensions	4.5" x 3.25" x .75" (11.43 x 8.25 x 1.90 cm)
Color	White
Mounting	Surface Mount – 2 Screw holes

### Warranty and Service Information

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

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Under no circumstances shall Winland's liability under this limited warranty exceed the purchase price paid by the end user/purchaser for the product. 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.

### WEEE Product Recovery/Recycling for EU Customers

In an effort to improve waste management in the European Union, the European Union has enacted directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE Directive). According to the WEEE Directive, Winland Electronics must take back waste electrical or electronic equipment covered under the WEEE Directive, at its cost, for all product it puts on the market after July 1, 2006. **The Return Process:** Contact Winland via our website at [www.winland.com](http://www.winland.com) and go to the WEEE link on the home page. To request additional information regarding Winland's RoHS and WEEE compliance initiative and how it might impact your business, email [customerservice@winland.com](mailto:customerservice@winland.com).

### MTA-1 Certification Info

#### Applicable Directives

Electromagnetic Compatibility Directive 89/336/EEC; RoHS Directive 2002/95/EC; WEEE Directive 2002/96/EC

#### Statement of Compliance

Winland Electronics, Inc. hereby declares that this device is in compliance with all the applicable Directives, 89/336/EEC, 2002/95/EC, 2002/96/EC.

### Symbols on the Product or Manual Labeling

Symbol	Definition
	For product disposal, ensure the following: <ul style="list-style-type: none"> <li>Do not dispose of this product as unsorted municipal waste.</li> <li>Collect this product separately.</li> <li>Use collection and return systems available to you</li> </ul>
	WEEE Waste Electrical and Electronic Equipment
	RoHS Restriction of Hazardous Substances



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