WINLAND MTA-2 TempAlert Mechanical Temperature Monitor User Manual

Contents

WINLAND™

WINLAND MTA-2 TempAlert Mechanical Temperature Monitor

This package contains

- mounting screws and 2 anchors
- Installation/Operating Instructions Guide
- MIIA-2

Location

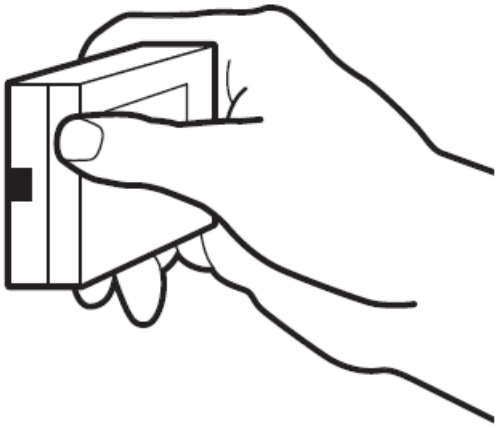
In specifying the location and number of Temp Alerts to install, consider room size, effectiveness of the ventilation system, and critical non-condensing (indoor only) environment monitoring areas. If the building already has an energy management system, an easy rule of thumb to follow is to install the MTA-2 near each thermostat. It can 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 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

- Standard screwdriver
- 5/16″ wrench or nut driver
- 22-18 AWG twisted pair

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 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.



To open the case, squeeze firmly with your thumb and pull front face plate away from the back plate.

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 predrill holes to accept the mounting screws alone, or the plastic anchors and mounting screws.

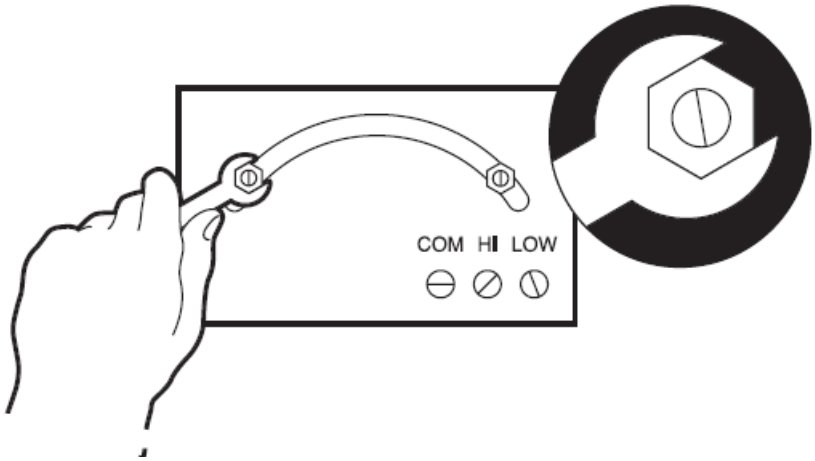
Specifications

- No power required to operate
- Alarm Use: 20 to 110 F (-6.7 to 43.3° C)
- Display Use: 0 to 120° F (-17.8 to 48.9° C)
- 20 to 100° F(-6.7 to 37.8° C)
- 30 to 110 F (-1.1 to 43.3C)
- 10 Distance between high and low set points
- +3° F (1.7° C)
- TC 14 minutes
- Bimetallic Coil
- Power Requirement
- Operating Temperature
- Low Limit Adjust Range
- High Limit Adjust Range
- Minimum Temp Span
- Accuracy
- Temp Response Time
- Sensing Element
- Outputs
- Contact Output Rating
- Weight
- Gold plated N.O. dry contacts. (NOT for high voltage)
- 12VDCT @ 50mA
- 6 0z (0.17 kg)

- 4.5 x 3.25 x 1″ (11.4 x 8.3 x 2.5 cm)
- Surface mount (key slot)
- Dimensions
- Mounting
- Case Material
- ABS
- Warranty
- Alarm contacts may not function outside of the qlarm use range.
- 1 Year Limited

Select 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 counterclockwise) 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.



View with Back Cover Removed

Making the Wiring Connections

To complete the installation, use three conductor stranded or solid wire to connect the MTA-2 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.

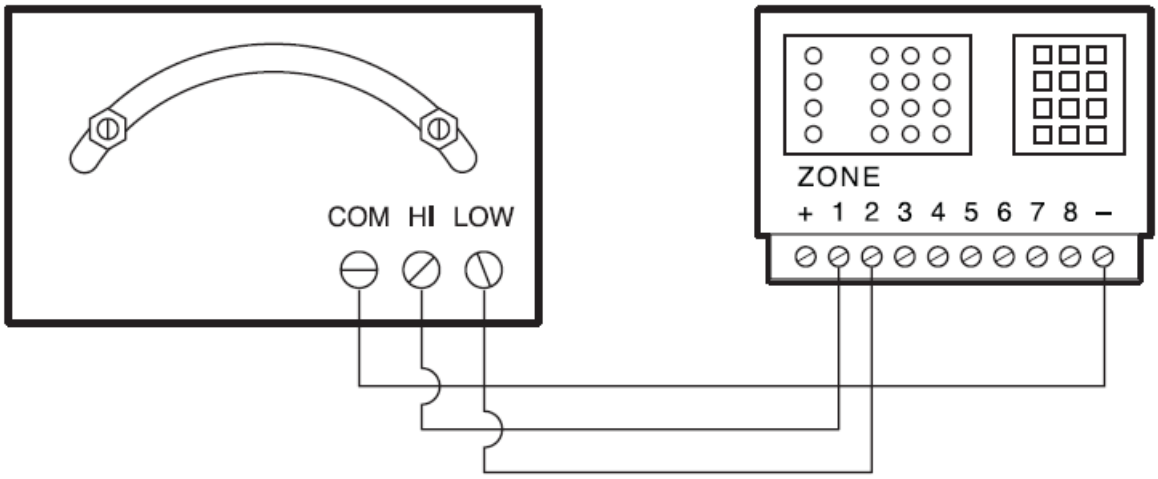


Diagram shown above will activate Zone 1 if the high limit is exceeded and Zone 2 if the low limit is exceeded.

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.

Operation and Testing Procedures
To manually activate the MTA-2 for testing, loosen the locknut of one limit post and slide it toward the temperature indicator until it makes contact and temporarily tighten the locknut nut. If installed correctly, this test procedure should activate the warning device to which the MTA-2 is connected. After testing, loosen the locknut, 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-2 in a cooler or freezer. Frost buildup and moisture can cause the unit to malfunction. For cooler and freezer applications, use an EnviroAlert or EnviroAlert Professional device with a remote probe.

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 at **www.winland.com**.

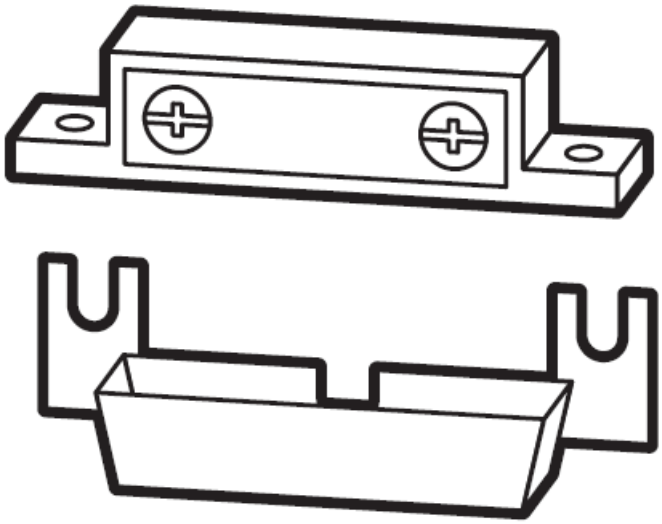
Applicable Directives
RoHS Directive 2002/95/EC; WEEE Directive 2002/96/EC Statement of Compliance: Winland Electronics, Inc. hereby declares this device is in compliance with ll the applicable Directives 2002/95/EC, 2002/96/EC. This device is considered a passive EM device and is thereby excluded from the scope of the EMC directive 89/336/EEC and Low Voltage Directive 73/23/EEC.

Symbols on the Product or Manual Labeling

- For product disposal, ensure the following:
- Do not dispose of this product as unsorted municipal waste.
- Collect this product separately.

- Use collection and return systems available to you.

TA-40
Single output temperature monitoring

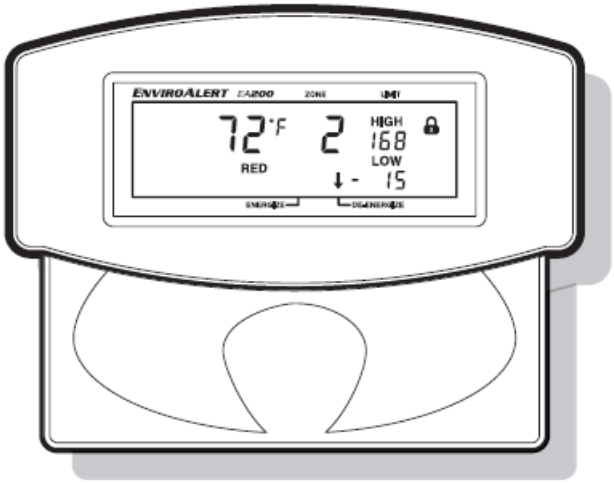


- No power required to operate
- N.C. above 40° F
- Not for use in coolers and freezers

One Year Limited Warranty

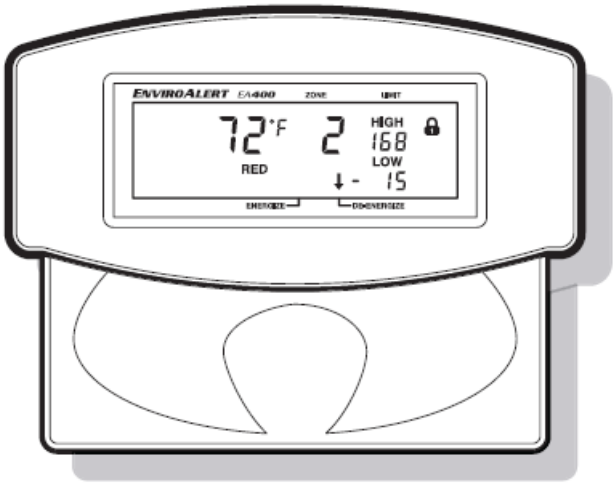
Winland Electronics, Inc. (“Winland”) warrants to the end user/purchaser that each product of its manufacture shall be free from defects in material and factory workmanship for a period of one year from the date of purchase, when properly installed and operated under nomal conditions according to Winland’s 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. The warranty is void if the Product’s housing or cover is removed. Winland 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: () the product is altered or modified in any way that is not consistent with the manufacturer’s instructions, or () 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 manufacturer. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSES, NON-INFRINGEMENT AND TITLE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING, USAGE OF TRADE OR OTHERWISE. ALL OTHER REPRESENTATIONS MADE TO THE END USER/PURCHASER BY ANY OTHER PARTY ARE ALSO EXCLUDED. WINLAND SHALL NOT BE LIABLE TO ANY PERSON FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF WARRANTY OR OTHER CONTRACT, NEGLIGENCE OR OTHER TORT, OR OTHERWISE. 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 Win land any other liability in connection with any of its products.

EnviroAlert° EA200
Dual Zone Wireless Electronic Monitor

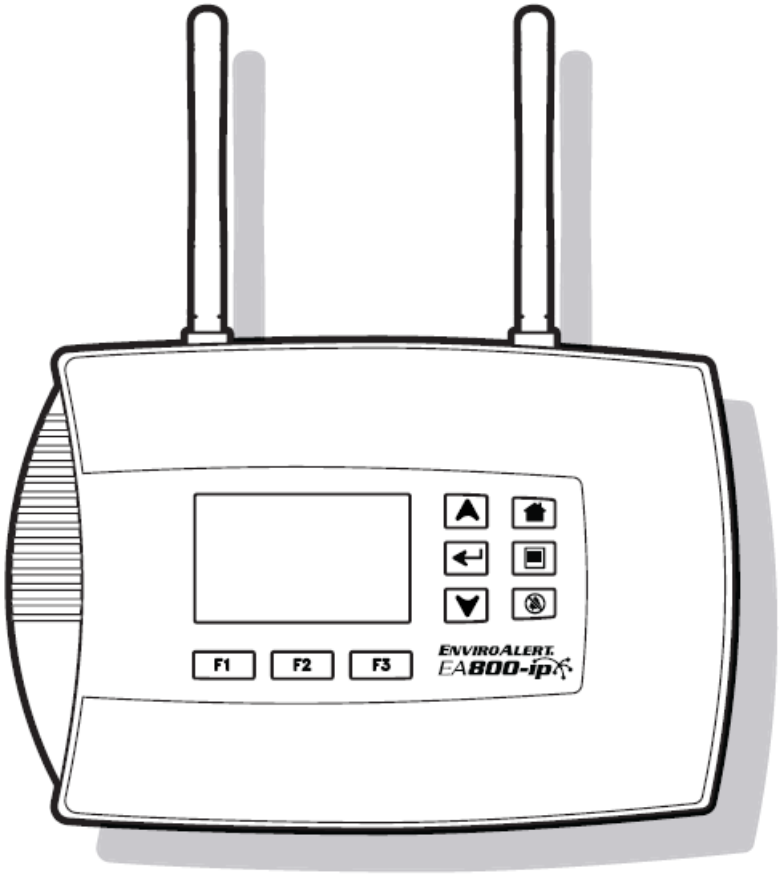


Temperature, Humidity, Water Presence EA200-12 (12VDC) and EA200-24 (24VDC) Has one built-in ambient temperature probe Connect up to 1 wired probe

EnviroAlert° EA4000
Four Zone Wireless Electronic Monitor Temperature, Humidity, Water Presence EA400-12 (12VDC) and EA400-24 (24VDC) Connect up to 4 wired probes

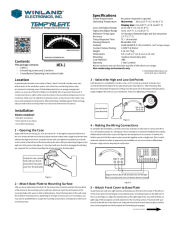


EnviroAlert° EA800-ip
Eight Zone Wireless Electronic Monitor: Temperature, Humidity, Water, Closed Contact, 4-20mA Connect up to 4 wireless and up to 4 wired probes Remote access via wired IP connection to Programming and real-time data viewing Probe data as well as alarm and event logs



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

Documents / Resources

	[WINLAND MTA-2 TempAlert Mechanical Temperature Monitor](#) [pdf] User Manual MTA-2 TempAlert Mechanical Temperature Monitor, MTA-2, TempAlert Mechanical Temperature Monitor, Mechanical Temperature Monitor, Temperature Monitor, Monitor, MTA-2 TempAlert Mechanical Temperature Monitor