

# TEMP° ALERT®

## Model TA-2HL

Part No. M-001-0100

### Installation / Owners Manual



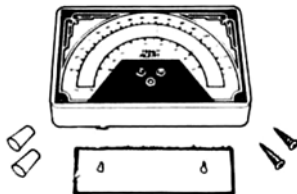
#### Introduction

Thank you for your purchase of the Winland Temp° Alert® model TA-2HL. 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 +130° F (-34° to +54° 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 TA-2HL 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 with 15 foot (4.57 m) connection cable
- Two mounting screws and two plastic wall anchors
- Mounting template (attached to the manual)



#### 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
- 11/32" wrench

##### Step #1 – Attach Temp° Alert® to Mounting Surface

After you have determined a location for the device to be mounted, position the attached template in the mounting location and mark the mounting holes with a pen or other marking device. 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. Drive the screws into the mounting surface, allowing approximately 3/16" between the screw head and the mounting surface. Engage the key slots on the back of the Temp° Alert® case with the screw heads and press down.

##### Step #2 – Making the Wiring Connections

Attach the connecting cable to any two open zones on any alarm panel, telephone dialer, wireless transmitter, etc. See Figure 1 for an example of the proper wiring sequence utilizing an alarm system.

If desired, the green and black wires on the connection cable 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.

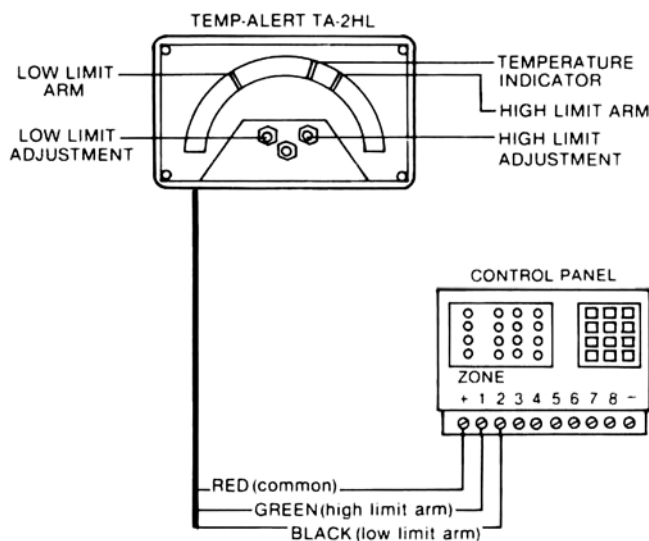
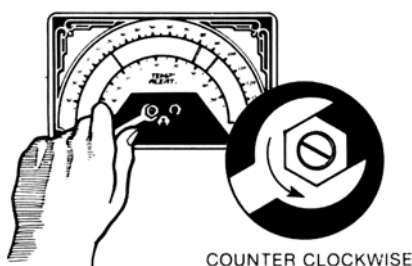


Figure 1

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

Each limit arm is controlled by an adjustment screw. To set a limit arm, slightly loosen the appropriate locknut (turn counter clockwise) with a 11/32" wrench (See Figure 2). Next, use a screwdriver to set the limit arm to the desired temperature limit (See Figure 3). Once the arm is in the proper setting locations, simply retighten the lock nut (turn clockwise) (See Figure 4). Avoid over tightening of the locknut. Repeat this process until both temperature limits have been set. **Make sure to retighten the locknut when temp limits have been set. The Temp° Alert® will not function properly if the lock nut is not retightened.**



COUNTER CLOCKWISE

Figure 2

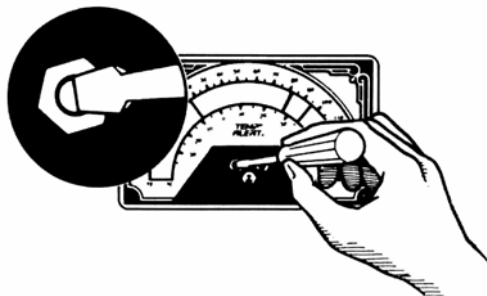
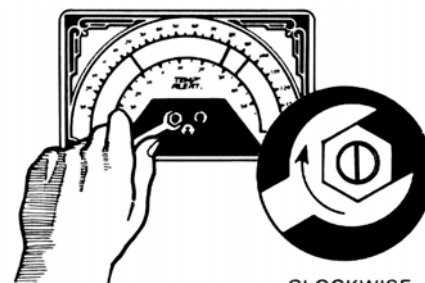


Figure 3



CLOCKWISE

Figure 4

**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 +130° F (-34° to +54° C). To manually activate the Temp° Alert® for testing, loosen the locknut of one limit arm and use a screwdriver to move the limit arm 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 TA-2HL 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 temperature 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® TA-2HL (P/N M-001-0100) |  |
|--------------------------------------|--|
| Operating Temperature                | -30° to +130° F (-34° to +54° C) <b>DO NOT USE FOR MONITORING COOLERS &amp; FREEZERS</b>   |
| Temperature Accuracy                 | +/- 3° F (+/- 1.67° C) of indicated temperature  |
| Temperature Response                 | Shift from 0° to +70° F (-18° to +21° C) approximately 4° per minute in welled stirred air |
| Contacts                             | Normally Open Dry Contact - Gold Plated  |
| Contact Ratings                      | 12 VDC at 50mA (max)<br><b>DO NOT USE FOR 110 VAC, HIGH VOLTAGE OR HIGH CURRENT</b>        |
| Case Material                        | ABS  |
| Weight                               | 12 ounces (.34 kg)   |
| Dimensions                           | 6.25" x 3.75" x 1.00" (15.88 x 9.53 x 2.54 cm)   |
| Color                                | White  |
| Mounting                             | Surface Mount – Keyhole slots - 2 Screws   |

**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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**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).

**TA-2HL 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**

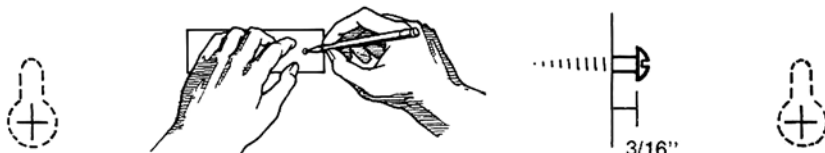
| Symbol | Definition  |
|--------|---|
|        | For product disposal, ensure the following: <ul style="list-style-type: none"> <li>• Do not dispose of this product as unsorted municipal waste.</li> <li>• Collect this product separately.</li> <li>• Use collection and return systems available to you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



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D-011-0114 Rev. A

Detach Here



Detach Here

**PLACEMENT TEMPLATE**