TEMP° ALERT®

Model TA-2HL

Part No. M-001-0100

Installation / Owners Manual

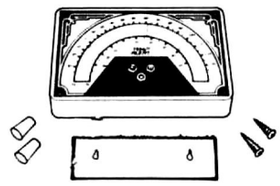
Introduction

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 temperature in the monitored area either rises or falls to the limit stops, the temperature indicator will contact one of the 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.

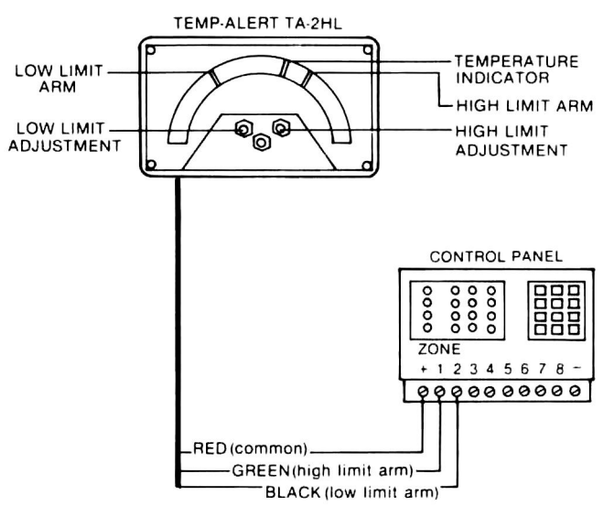


Figure 1

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.**

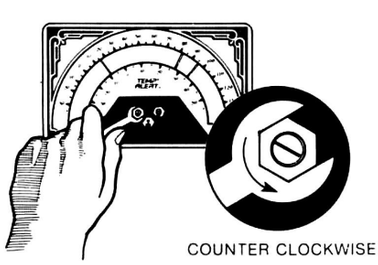


Figure 2

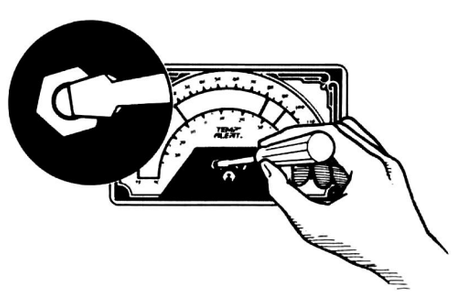


Figure 3

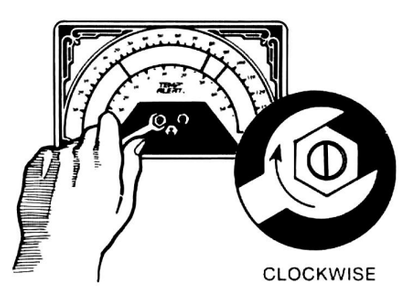


Figure 4

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 and temporarily tighten the locknut nut. If installed correctly, this test procedure should activate the warning device to which the Temp˚ Alert® 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 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.

Specifications

Temp˚ Alert® TA-2HL (P/N M-001-0100)	
Operating Temperature	-30˚ to +130˚ F (-34˚ to +54˚ C) **DO NOT USE FOR MONITORING COOLERS & FREEZERS**
Temperature Accuracy	+/- 3˚ F (+/- 1.67˚ C) of indicated temperature
Contacts	Normally Open Dry Contact - Gold Plated
Contact Ratings	12 VDC at 50mA (max) **DO NOT USE FOR 110 VAC, HIGH VOLTAGE OR HIGH CURRENT**
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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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, this product must not be disposed of with other household waste. For disposal information go to www.winland.com and click on the WEEE link. To request additional information regarding Winland’s RoHS and WEEE compliance initiative and how it might impact your business, email customerservice@winland.com.

TA-2HL Certification Info

Applicable Directives
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 2002/95/EC, 2002/96/EC.

Note: This device is considered a passive EM device and is thereby excluded from the scope of the EMC directive (89/336/EEC)

Symbols on the Product or Manual Labeling

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Symbol	Definition
	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
RoHS WEEE COMPLIANT	WEEE Waste Electrical and Electronic Equipment
	RoHS Restriction of Hazardous Substances
TEMP˚ ALERT®	Registered trademark (USA only)

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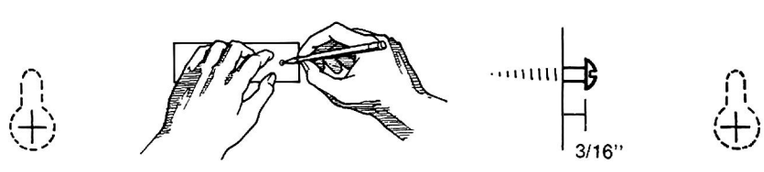

PLACEMENT TEMPLATE