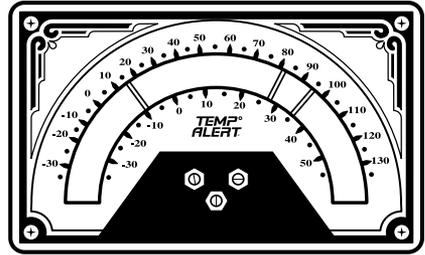




**WINLAND
ELECTRONICS, INC.**

TEMP°ALERT®

Temp Monitoring with Separate High and Low Output



TA-2HL

CONTENTS

This package contains:

- 1 Temp Alert TA-2HL with 15' (4.7 m) connection cable
- 2 Mounting Screws with wall anchors
- 1 Mounting template (attached to the manual)
- 1 Installation/Operating Instructions Guide

SPECIFICATIONS

Power Requirement	No power required to operate.
Operating Temperature	Alarm Use: 50 to 130° F (10 to 54° C); non-condensing environments only. Alarm contacts may not function outside of this range. Display Use: -30 to 130° F (-34 to 54° C); non-condensing environments only.
Low Limit Adjust Range	-30 to +120° F (-34 to +49° C)
High Limit Adjust Range	-20 to +130° F (-29 to +54° C)
Temp Accuracy	±3° F (±1.7° C)
Temp Response Time	TC = 14 minutes
Temp Sensing Element	Bimetallic Coil
Outputs	Gold plated N.O. dry contacts (Not for high voltage use.)
Contact Output Rating	50mA @12VDC
Weight	12 oz (340 g)
Dimensions	6.25 x 3.75 x 1" (15.9 x 9.5 x 2.5 cm)
Material	ABS
Mounting	Key slot

Tech Support 8:00am - 5:00pm Central Time

(800) 635-4269 • +1-507-625-7231 P

www.winland.com



© 2012 Winland Electronics, Inc.
D-011-0114 Rev B (08/2012)

INTRODUCTION

Thank you for your purchase of the Winland Temp°Alert® model TA-2HL. Your new TA-2HL has been designed for reliable monitoring of non-condensing (indoor only) environment areas where high and low temperature limits are critical. 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. The TA-2HL is the ideal addition for any security system.

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 TA-2HL 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 TA-2HL on every level of the home or business.

INSTALLATION

Tools needed:

- Standard screwdriver
- 11/32" wrench
- 22-18 AWG twisted pair (optional)

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 TA-2HL 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.

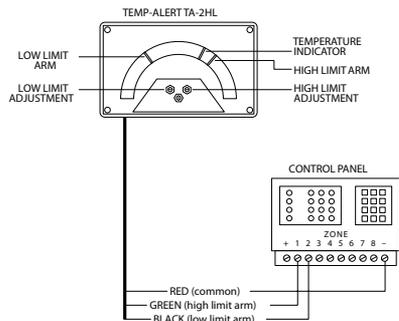


Figure 1

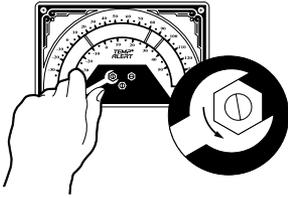


Figure 2

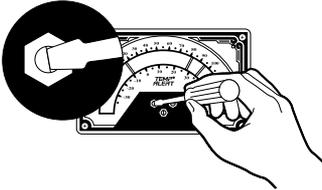


Figure 3

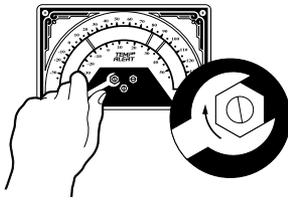


Figure 4

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 (Figure 2). Next, use a screwdriver to set the limit arm to the desired temperature limit (Figure 3).

Once the arm is in the proper setting locations, retighten the lock nut (turn clockwise) (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 TA-2HL will not function properly if the lock nut is not retightened.

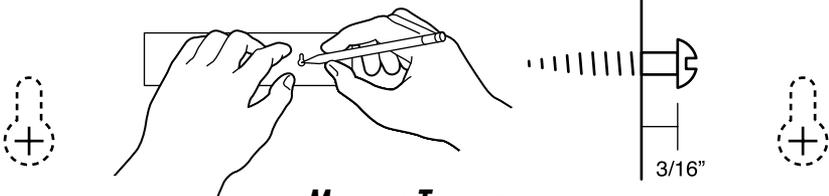
OPERATION AND TESTING PROCEDURES

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 TA-2HL 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-1 in a cooler or freezer. Frost buildup and moisture can cause the unit to malfunction. For cooler & freezer applications, use an EnviroAlert® device with a remote probe.

To insure proper operation, test weekly.



MOUNTING TEMPLATE

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 web site 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 all 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.



WEEE Waste Electrical and Electronic Equipment
RoHS Restriction of Hazardous Substances

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 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: (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 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 Winland any other liability in connection with any of its products.