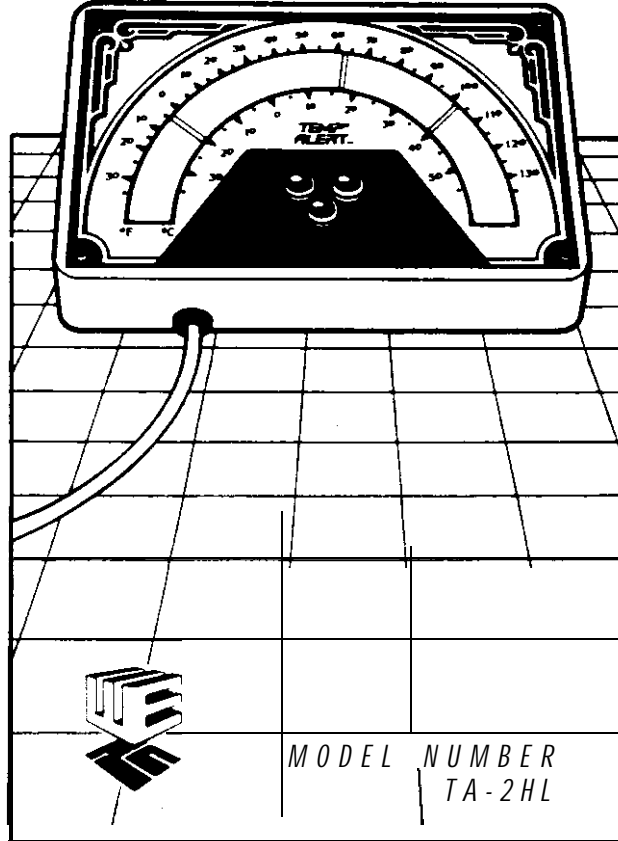


SPECIFICATIONS

| | |
|---------------------------|---|
| TEMPERATURE RANGE | - 30° to + 130° F (- 34° to + 54° C) |
| TEMPERATURE ACCURACY | - 30° to + 130° F (- 34° to + 54° C) ± 3° of indicated temperature |
| TEMPERATURE RESPONSE TIME | Shift from 0° to + 70°F (- 18° to - 21°C), approximately 7° per minute in well stirred air |
| CONTACTS | Plating: Silver Type: Dry Contact Voltage Ratings: 12 VDC at 50 mA (max) DO NOT USE for 110 VAC, high voltage or high current |
| PRODUCT WEIGHT | 12 ounces (.34 Kg) |
| SHIPPING WEIGHT | 16 ounces (.45 Kg) |
| DIMENSIONS | 6 1/4" x 3 3/4" x 1" (15.9cm x 9.5cm x 2.54cm) |
| MOUNTING | Keyslot mounting holes, template & 2 screws |
| WARRANTY | One Year Limited Warranty |

TEMP° ALERT™

INSTALLATION/OWNERS MANUAL



PLACEMENT TEMPLATE

TEMP° ALERT™

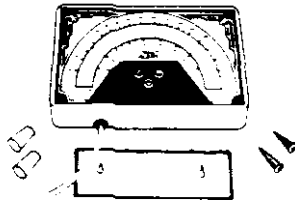
INTRODUCTION

Thank you for your purchase of the Winland Temp.Alert. Your new Temp.Alert temperature sensor has been designed for reliable monitoring of areas where high and low temperature limits are critical. Temp.Alert measures temperatures from -30° to $+130^{\circ}\text{F}$ (-34° to $+54^{\circ}\text{C}$). 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 arms. If the temperature in the monitored area rises or falls below the preset limits, the temperature indicator will contact one of the preset limit arms. This completes the circuit and provides you with a dry contact alarm signal. This alarm signal may be used to activate alarm systems, telephone dialers, or other remote warning devices. Temp.Alert is the ideal addition for a complete security system.

Make sure the package you purchased includes the following:

- Temperature Sensor with 15 foot connecting cable
- Two mounting screws and plastic anchors
- Mounting template (attached to the manual)



LOCATION

It is impossible to precisely specify the location and number of Temp.Alerts to install because a number of variable **factors** must be taken into account. Room **size**, effectiveness of the ventilation system, and critical **monitoring** areas must all be considered. 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 **vertical** surface in the area where temperature is to be monitored. Make sure it is well clear of windows or heat sources that could cause an inaccurate reading of air temperature.

INSTALLATION

You will need a standard screwdriver, and a $1\frac{1}{32}$ " wrench to install and set the Temp.Alert.

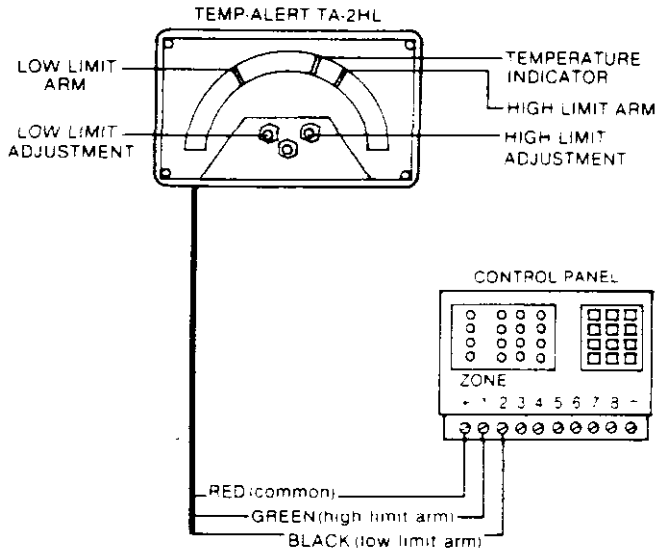
Step 1

Using the attached template, mark the position of the screw holes on the vertical surface you wish to mount the Temp.Alert to. Drive the screws (using anchors if required) in your mounting surface, allowing approximately $\frac{3}{16}$ " between the screw head and the mounting surface. Engage key slots on the back of the Temp.Alert case with the screw heads and press down.

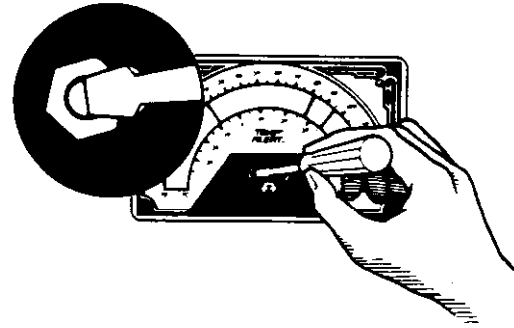
Step 2

To complete installation, simply attach the connecting cable to any two open zones on an alarm panel, telephone communicator, wireless transmitter, etc. For the proper wiring sequence, please refer to the illustration on the following page.

If desired, the green and black wires on the signal cord may be connected together under a single zone. This procedure is useful whenever a limited number of open zones are available and you do not wish to differentiate between a high or low temperature problem.

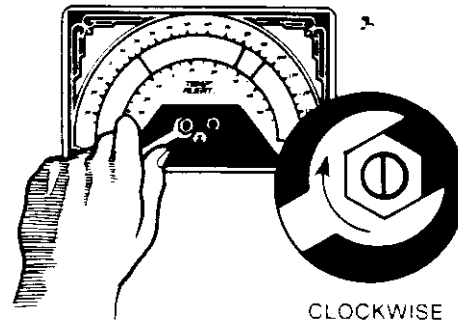
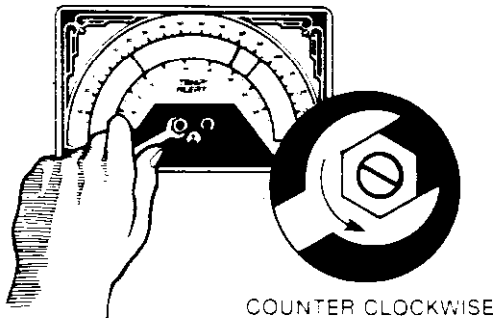


Use a screwdriver to set the limit arm to the desired temperature limit. Make sure you retighten the locknut when you have your desired limit. The Temp-Alert will not function properly if the lock nut is not retightened. (Avoid over-tightening of the locknut).

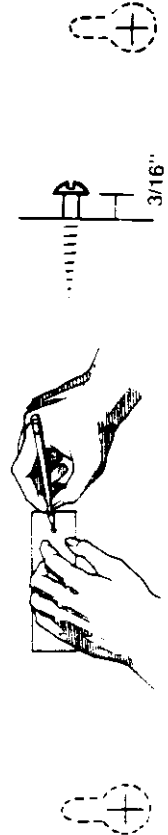


SETTING THE TEMPERATURE LIMITS

Each limit arm is controlled by an adjustment screw. To set a limit arm, remove the two vinyl nutcovers and simply loosen (slightly) the appropriate lock nut with a 11/32" wrench.



detach here



PLACEMENT TEMPLATE

OPERATION AND TESTING PROCEDURES

For proper operation, the Temp-Alert must be located in an area where the **temperature** range is within -30° to $+130^{\circ}\text{F}$ (-34° to $+54^{\circ}\text{C}$). Temperatures outside this range or excessive moisture in the area monitored, could cause the unit to malfunction.

To manually activate the Temp-Alert for testing, loosen the locknut of one limit arm and use a screwdriver to move the arm into contact with the temperature indicator. **If** installed correctly, this test **procedure should** activate the warning device which Temp.Alert is connected to. After testing, reset the limit arm and tighten the locknut.

RECALIBRATION

Occasionally during shipping or handling, the Temp Alert may be knocked out of calibration. To adjust the indicator arm several degrees higher, use an **1 1/32"** wrench on the center locknut and turn it slowly clockwise. To adjust the indicator arm so that it reads a lower temperature, remove the faceplate by removing the four corner screws. Then loosen the center locknut and adjust the arm to the desired position. When doing this be careful not to handle the thermospring or the metal part of the faceplate with bare hands, as this can warm the thermospring and cause an incorrect **setting**.

SPECIFICATIONS

| | |
|--|--|
| Temperature Range: | 30° to 100°F (-1° to 38° C) |
| Temperature Accuracy: | ±3°F of indicated temperature |
| Temperature Response: | Shift from 30° to 100°F (-1° to 38° C) approximately 7" per minute in well stirred air. |
| Contacts: | Plating: Gold Type: Dry Contact Voltage Ratings: 12 VDC at 50mA (max) |
| DO NOT USE FOR 110 VAC, HIGH VOLTAGE OR HIGH CURRENT | |
| (Mounting: | Surface Mount |
| Dimensions: | 4.5" X 3.25" X .75" |
| Product Weight: | 6 ounces |
| Warranty: | One year limited warranty |

Important: To insure proper operation be sure to test the unit weekly.

Mfg. in U.S.A. by:

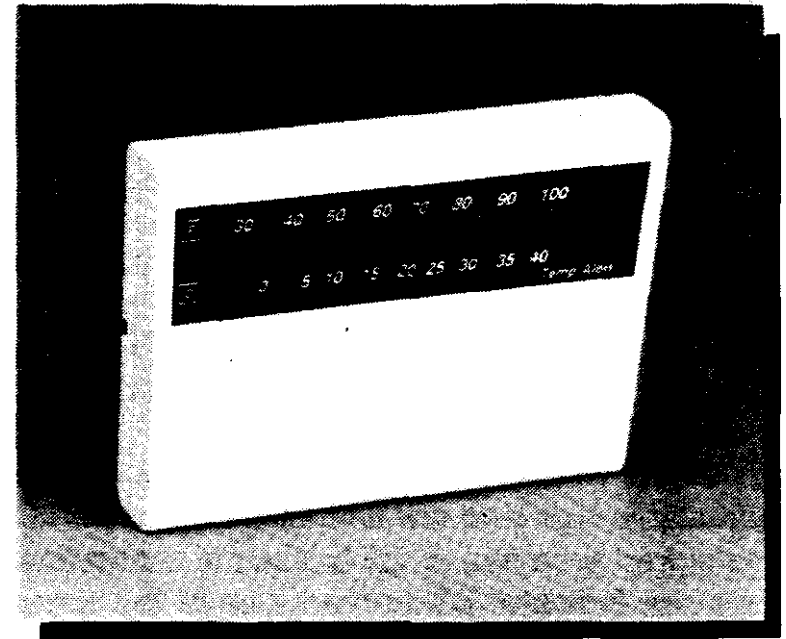


WINLAND ELECTRONICS, INC.

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TEMP°ALERT®

INSTALLATION/OWNERS MANUAL



Mechanical Temperature Switch With Dual Dry contact Outputs

MODEL NUMBER: MTA-1

WINLAND PART NUMBER: 1200



Temp°Alert® model MTA-1

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 32° to 100° F (0° 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 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 packaged you purchased should contain:

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

LOCATION

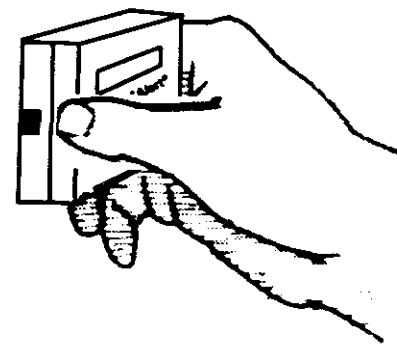
In specifying the location and number of Temp°Alerts® to install consider room size, effectiveness of the ventilation system, and critical monitoring areas. If the building already has an energy management system, an easy rule of thumb to follow is to install a Temp°Alert® near each thermostat. It should be mounted on a wall or 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.

INSTALLATION: Step 1 - Opening the Case

You will need a phillips screwdriver, and a 5/16" wrench or nut driver to install and set the Temp°Alert®.

Decide on the best location, turn the unit so that the front is facing you. Next turn the unit 90° to expose the left end of the case. Note that the left end has been tooled with a single attachment hole whereas the right end has not.

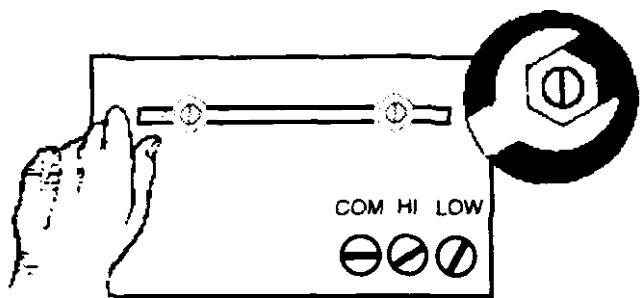
To open the case squeeze firmly with your thumb and pull front face plate away from the back plate



To open the case press **hard** at the center of the left end of the case with your thumb to disengage the **case** locking pin (just ahead of the thumb in diagram on previous page). Next, to separate the two halves pull the front of the case away from the back plate.

Step 2- Selecting the Hi and Lo setpoints

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 and then slide them to the proper temperature setting. Be careful not to remove the nut from the limit post. Once the proper setting has been reached simply retighten the lock nuts (turn clockwise). Avoid overtightening of the locknut.

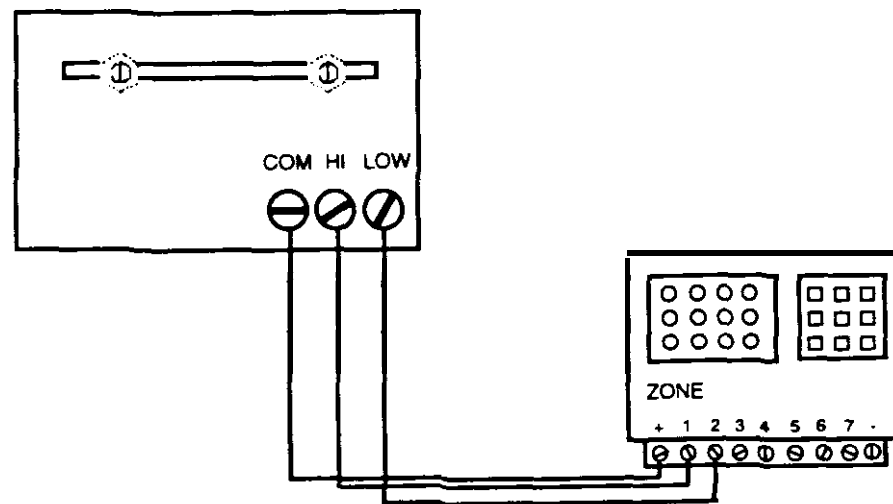


(Viewed with back cover removed)

Step 3 - 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. For the proper wiring sequence see below:

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 or low temperature problem.



The wiring diagram shown above will activate zone 1 if the high limit is exceeded and zone 2 if the low limit is exceeded.

Important: To insure proper operation be sure to test the unit weekly.

Step 5 - 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 until it makes contact with the temperature indicator. If installed correctly, this test procedure should activate the warning device to which the Temp°Alert® is connected. After testing, reset the limit arm and tighten the locknut.

Important: To insure proper operation be sure to test the unit weekly.

Important: Do not use MTA-1 Temp°Alert® in a freezer or other location where frost is present. The frost can build up on the indicator posts and cause the unit to malfunction. For these applications use one of the digital Temp°Alerts® (TA-2HLD, UTA-1, or DTA-4) with remote probe and built-in defrost timers.

Helpful Hint: 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 for special recalibration instructions.