

HUMID-ALERTTM

INSTALLATION/OWNERS MANUAL



Model HA-1
Part # 1190

HUMID-ALERT™

INTRODUCTION

Thank you for choosing Winland Electronics for your *Environmental Security™* requirements. Your new Humid-Alert™ humidity sensor has been designed for reliable monitoring of areas where high or low humidity limits are critical. Humid-Alert™ monitors humidity from 20% to 80% RH. Simply select an acceptable high or low humidity limit by turning the adjustment knob on the face of the unit. Once the limit you select is exceeded the Humid-Alert's switch will activate. This output can be used to activate alarm systems, telephone dialers, or other warning devices. Humid-Alert' is the ideal addition for a complete security system.

CONTENTS

Make sure the package you purchased includes the following:

- Humid-Alert™ Control
- Rubber Mounting Gasket & Adhesive template
Do **not** use when mounting the HA-1 to a wall. Otherwise adequate airflow **will** not enter the inside of the case.
Use **This** Gasket **Only** When Mounting the HA-1 to a Duct.
- Poly Bag with Mounting Hardware

LOCATION

Choose a location for the Humid-Alert™ about 5 feet above the floor on an inside wall with average room temperature and relative humidity conditions. The **maximum** ambient temperature at the selected **location** must not exceed 125° F. Note: Temperatures above 90° F will adversely affect the accuracy of the Humid-Alert.™ Mount directly to a wall.

INSTALLATION

- 1) Drill a small hole in the wall and run low voltage **wiring** to the location chosen. Pull about 6 inches of wire through the hole. Plug the opening to prevent drafts from affecting the Humid-Alerts operation.
- 2) Remove the Humid-Alert™ **cover** by prying with a screwdriver in the notch on the bottom of the case (See Figure 2).
- 3) Make the wiring **connections** to the Humid-Alert™ assembly using **leadwires** and wire nuts supplied (See Figure 3). Tuck wires into the bottom of the case, then snap cover assembly into case (See Figure 3).

SETTING THE HUMIDITY LIMIT

Humid-Alert™ monitors humidity from 20% to 80% RH. Simply select an acceptable high or low humidity limit by turning the adjustment knob on the face of the unit. **Note:** *The unit has a built-in 2-3% Hysterisis (delay). Therefore, the unit will not set and reset at exactly the same point. This spread will amount to approximately 2-3% of the alarm set point.*

OPERATION AND TESTING CRITERIA

ELECTRICAL RATING: 50 VA at 24 VAC
1 Amp. Resistive at 24VDC

TEMPERATURE RANGE: +60° to +90° F. (15.5°
to 32° C).

HUMIDITY RANGE: 20% to 80% RH
HUMIDITY ACCURACY: ±10% RH

FIGURE #1: HUMID-ALERT™ DIMENSIONS

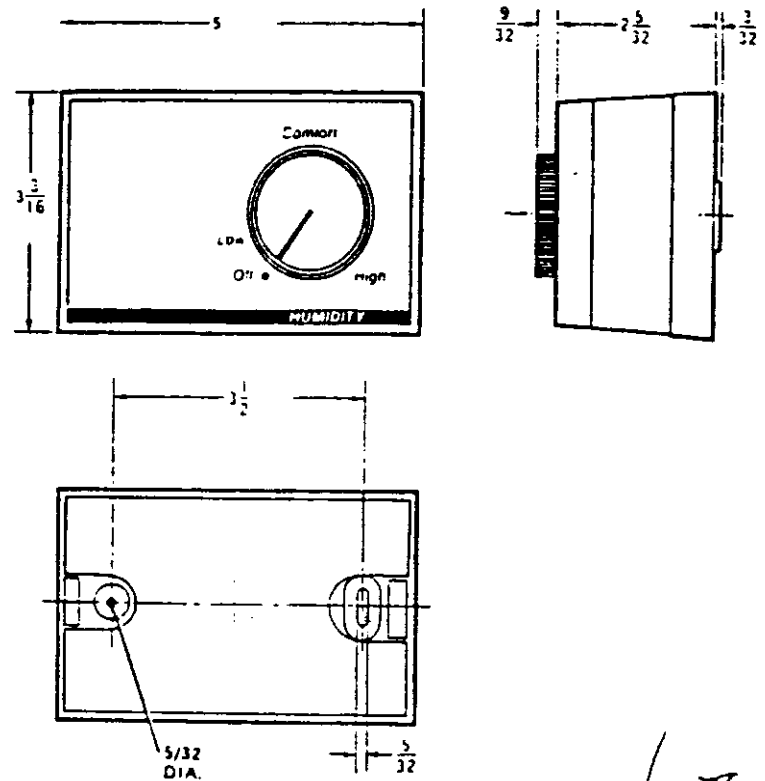


FIGURE #2: COVER REMOVAL

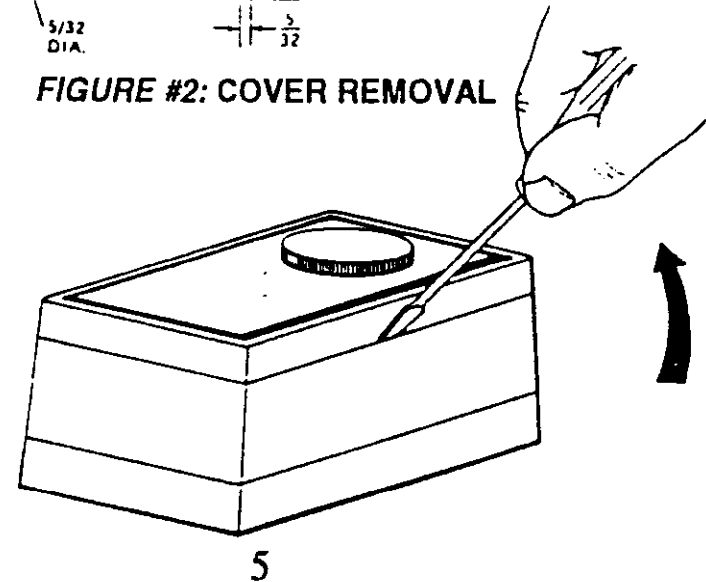
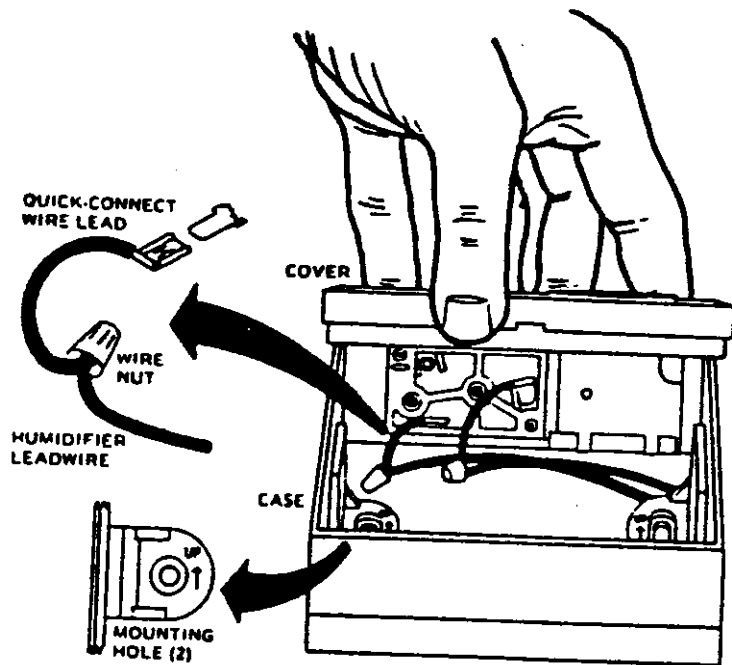
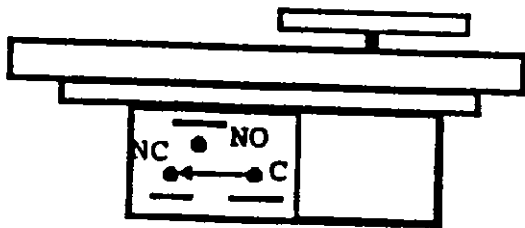


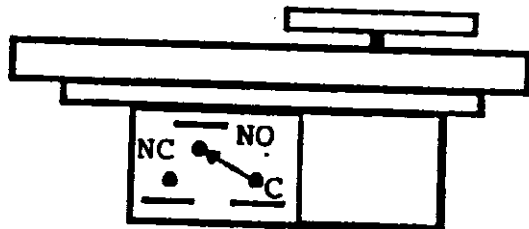
FIGURE #3 WIRING CONNECTIONS



CONTACT OUTPUTS



WHEN ACTUAL HUMIDITY EXCEEDS THE SETTING
THE COMMON IS SHORTED TO THE N.C. TERMINAL



WHEN ACTUAL HUMIDITY IS LESS THAN THE SETTING
THE COMMON IS SHORTED TO THE N.O. TERMINAL

Winland, Inc. warrants that each product of its manufacture is free from defects in material and factory workmanship, when properly installed and operated under normal conditions according to the manufacturer's instruction.

Manufacturer'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 retail purchaser, transportation charges prepaid, within one year after purchase and which upon examination shall disclose to the manufacturer's satisfaction to have been originally defective. Correction of such defects by repair to, or supplying of replacements for defective parts shall constitute fulfillment of all obligations to purchaser. Repair service performed by the manufacturer after one year from date of purchase will be for a reasonable service charge.

This warranty shall not apply to any of the manufacturer's products which have been subject to misuse, negligence or accident or which shall have been repaired or altered outside of the manufacturer's factory. Warranty is void if housing or cover is removed.

Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product or from any other cause.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE EXCLUDED, AS ARE ALL OTHER REPRESENTATIONS TO THE USER—PURCHASER, AND ALL OTHER OBLIGATIONS OR LIABILITIES, INCLUDING LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, ON THE PART OF THE MANUFACTURER OR THE SELLER.

No person, agent or dealer is authorized to give any warranties on behalf of the manufacturer nor to assume for the manufacturer any other liability in connection with any of its products.