Cat. No. 63-1026

OWNER'S MANUAL

Please read before using this equipment.

Indoor/Outdoor Thermometer

RadioShack®

FCC ID: AAO6301026R

INTRODUCTION

Your RadioShack Indoor/Outdoor Thermometer with Wireless Remote Sensor is a complete system that lets you monitor the temperature indoors and out! You can hang the main unit indoors on a wall or use its built-in stand for easy viewing on a table or desktop. You can place the supplied remote sensor outdoors or in another room to monitor the temperature at that location.

In addition to the supplied remote sensor, you can use up to two other remote sensors (RadioShack Cat. No. 63-1027, not supplied) with the system's three built-in remote channels. Altogether you can monitor the temperature at four different locations!

The system's features include:

Dual Line Temperature Display — the top half of the main unit's display shows the temperature at the remote sensor (outdoors, for example) and the bottom half shows the temperature at the main unit's location.

Temperature Alarm — lets you set the main unit to sound an alarm each time a set high or low temperature is reached at a remote sensor's location.

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Three Remote Sensor Channels — let you use up to two additional remote sensors (not supplied) with the system and monitor the temperature at up to four different locations.

Low Battery Indicator — lets you know when the main unit's or any remote sensor's battery power is low.

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INSTALLING BATTERIES

You need four AA batteries (not supplied) to power your thermometer system — two each for the main unit and remote sensor. For the longest life, we recommend alkaline batteries (available at your local RadioShack store).

Notes:

- If you expect to use the remote sensor in temperatures below –4° F (–20° C), we recommend you use lithium batteries (such as RadioShack Cat. No. 23-664) in the remote sensor.
- Install batteries in the remote sensor first, then in the main unit, to give the main unit time to find the remote sensor's signal.

Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

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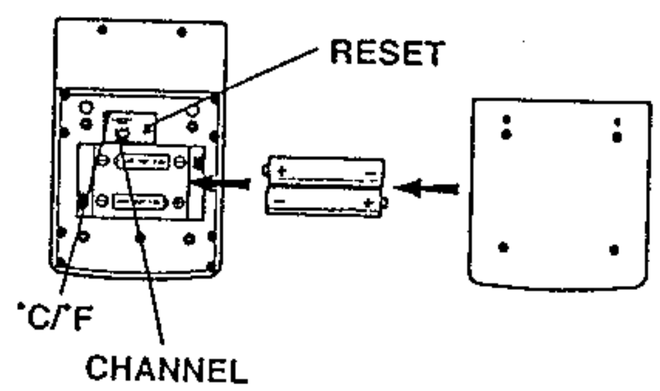
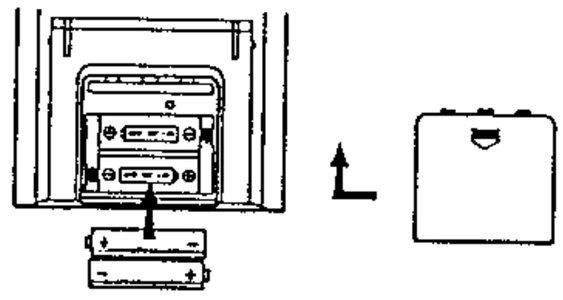
- Dispose of old batteries promptly and properly. Do not burn or bury them.
- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.

In the Remote Sensor



1. Use a Phillips screwdriver to remove the screws in the battery compartment cover, then lift the cover to remove it.
2. Set **CHANNEL** and **°C/°F** inside the compartment to the desired settings. (See "Setting/Selecting the Display Channel" on Page 13 and "Changing the Degree Format" on Page 14.)
3. Place two AA batteries in the compartment according to the polarity symbols (+ and –) marked inside.
4. Use a pointed object (such as a straightened paper clip) to press **RESET** and initialize the sensor's transmitter.
5. Replace the cover and reinsert and tighten the screws.

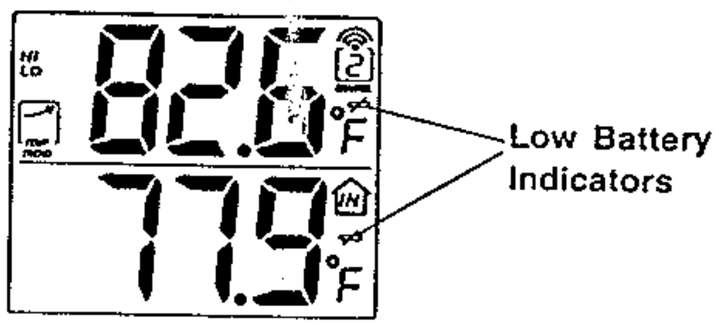
In the Main Unit



1. Remove the battery compartment cover by sliding it in the direction of the arrow marked on the cover.
2. Place two AA batteries in the compartment according to the polarity symbols (+ and –) marked inside.
3. Replace the cover.
4. Place the main unit next to the remote unit. Then use a pointed object (such as a straightened paper clip) to press **RESET** on the back of the unit and initialize the main unit's receiver.

When to Replace the Batteries

When ⌀ appears below the CHANNEL indicator on the top half of the main unit's display, replace the batteries in the remote sensor for the selected channel.



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When ⌀ appears in the lower half of the display, replace the batteries in the main unit.

Note: ⌀ remains on the display for about 1 minute after you replace the batteries.

MOUNTING

You can place the main unit and remote sensor on flat surfaces, or mount either on the wall using the supplied bracket (remote sensor) and screws (not supplied).

Selecting a Location

Choose locations for the main unit and remote sensor that are within 60–90 feet (20–30 meters) of each other. The main unit should be located indoors, but the remote sensor can be placed either indoors or out.

The construction of your home or office might affect the transmission range between the main unit and the remote sensor. If you have a choice of several locations, try each to see which provides the best performance.

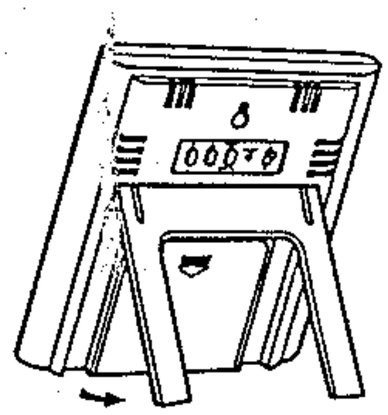
Cautions:

- Do not place the main unit or remote sensor where it will be in direct sunlight.

- Do not place the main unit in a location where it is likely to get wet. Only the remote sensor is weather-resistant.
- Do not place the main unit or remote sensor near electrical appliances or heating or air conditioning vents.

Main Unit

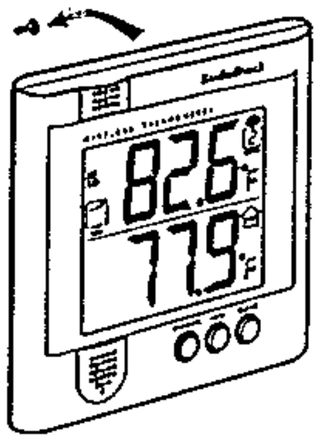
To set the main unit on a flat surface, pull the built-in stand away from the back of the unit.



To mount the main unit on a wall, you need a 1/8-inch (3-mm) screw (not supplied) with a head that fits into the keyhole slot on the back of the main unit.

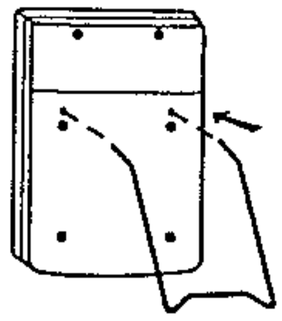
1. Drill a hole in the wall at the desired mounting location.
2. Thread a screw into the wall until the head extends about 1/4 inch from the wall.

3. Position the keyhole slot over the screw and slide the thermometer down to secure it.



Remote Sensor

To set the remote sensor on a flat surface, insert the ends of the supplied wire stand into the holes on the back of the remote sensor.



To mount the remote sensor on a wall (or on a post outdoors, for example), you need two 1/8-inch (3-mm) screws (not supplied) with heads that fit into the keyhole slots on the back of the supplied mounting bracket.

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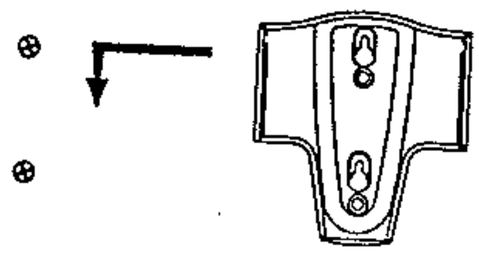
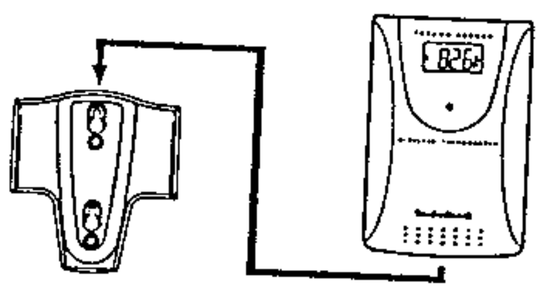
1. Drill two holes 1 ¼ inches apart. Then thread a screw into each hole, letting the heads extend about ¼ inch from the mounting surface.
2. Align the keyhole slots on the mounting bracket with the screws and slide the bracket downward to secure it.



3. Slide the remote sensor into the mounting bracket as shown.



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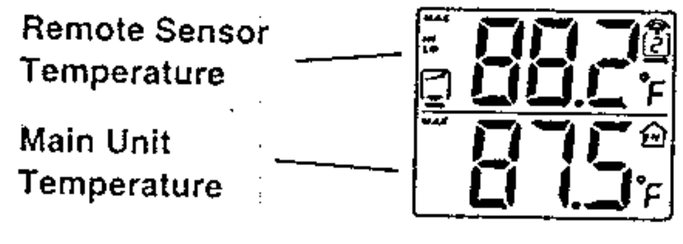
OPERATION

Once you install batteries in the remote sensor and the main unit, the remote sensor displays its local temperature and starts transmitting signals about every 30 seconds. The main unit starts searching for those signals.

The temperature measured at the main unit appears on the bottom half of its display (indicated by IN). Once the main unit receives the remote sensor's signal, the temperature measured at the remote sensor appears on the top half of the display.

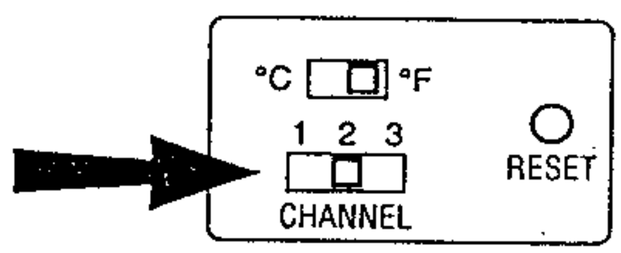


Note: If the main unit does not receive or stops receiving a signal from the remote sensor, it displays `--.-` instead of a temperature. Try manually searching for a signal (see "Manually Searching for a Signal" on Page 18) or resetting the main unit (see "Resetting the System" on Page 19).

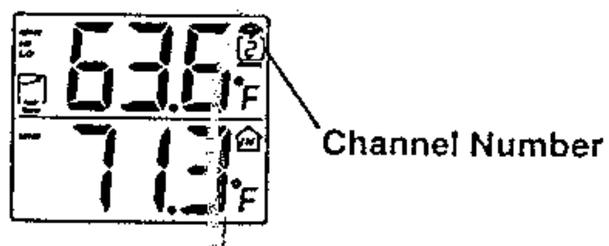
Setting/Selecting the Display Channel

Your thermometer system's main unit can display information for up to three different remote sensors. Additional remote sensors (Cat. No. 63-1027) are available at your local RadioShack store.

Set **CHANNEL 1/2/3** inside each remote sensor's battery compartment to a different setting.



To display the temperature information for a remote sensor, repeatedly (if necessary) press **CHANNEL** on the main unit you see the channel number you set that sensor to use.

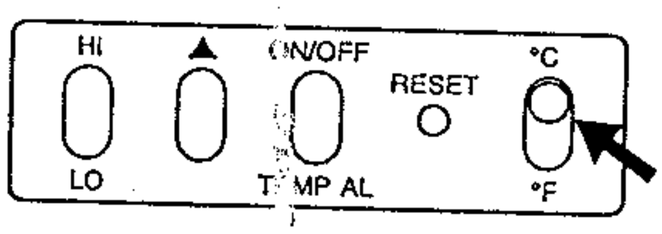


Note: If you set two or more remote sensors to use the same channel, the main unit displays temperature information for the remote sensor's signal it received first.

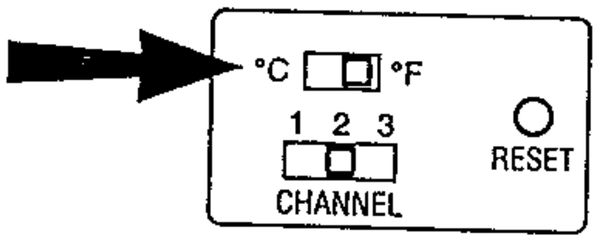
Changing the Degree Format

You can view the temperature in Fahrenheit (˚F) or Celsius (˚C) format on the main unit and on the remote sensor, and set each separately.

To change the degree format for all temperatures displayed on the main unit, set **˚C/˚F** on the back of the main unit to the desired setting.



To change the degree format displayed on the remote sensor, set **˚C /˚F** inside the remote sensor's battery compartment to the desired setting.



ATTN: MS. ANKIT

FROM: DAPHNE

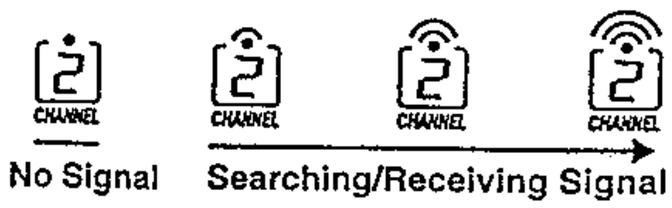
Reading the Temperature Trend Display

The main unit displays the current temperature trend as rising, steady, or falling. The trend is based on the average temperature measured at the selected channel's remote sensor within the last 30 minutes.

Note: If your thermometer displays **HH.H°** or **LL.L°**, this means that the temperature has exceeded or fallen below the thermometer's measurement range (see "Specifications" on Page 22). When the temperature returns to within the measurement range, the display returns to normal.

Reading the Kinetic Wave Display

The kinetic wave display (directly above the CHANNEL number) shows the status of the signal being received by the main unit. The display consists of three graduated arcs above a solid dot.



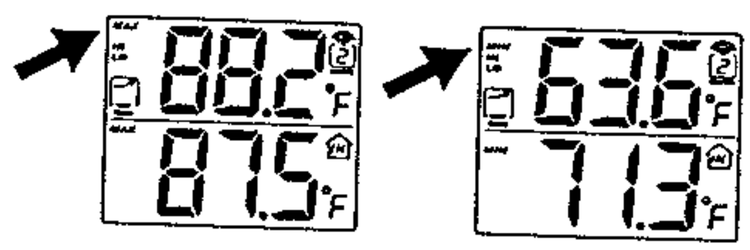
When the dot appears alone, the main unit is not receiving a signal. When the arcs appear one after another, the main unit is searching for or receiving a signal from the selected channel's remote sensor.

Checking the Maximum/Minimum Temperatures

The main unit stores the maximum (highest) and minimum (lowest) local temperatures and those of each remote sensor in its memory.

Follow these steps to recall the maximum and minimum temperatures stored since the last memory reset.

1. Repeatedly press **CHANNEL** on the main unit to select the desired channel.
2. Press **MEM** once to recall the maximum temperature (**MAX**) and again to recall the minimum (**MIN**) temperature.



3. Press **MEM** again to return to the current temperature display.

To clear the maximum and minimum temperature memory for the main unit and the selected channel, and reset them to the current temperature, press **CLEAR**. The display resets and the current temperatures appear.

Using the Temperature Alarm

You can set the thermometer's temperature alarm to sound when the temperature at a remote sensor exceeds or falls below upper and lower temperature limits you set.

When a set temperature limit is reached at a remote sensor, an alarm sounds at the main unit for 1 minute, the main unit displays the information for that channel, and **HI** or **LO** and the temperature flash. To silence the alarm sooner, press **ON/OFF TEMP AL** on the main unit.

Follow these steps to set the alarm.

1. Repeatedly press **CHANNEL** on the main unit to select the desired channel.
2. Press **HI/LO** once to set the high temperature limit, (**HI** flashes) or twice to set the low temperature limit (**LO** flashes).
3. Repeatedly press ▲ to increase the alarm temperature setting one degree at a time. Hold down ▲ to increase it in five degree increments.

Notes:

- When setting the alarm, the lower limit starts at –50° C (–58° F) or the last set alarm temperature.

- The highest limit you can set is +70° C (158° F). When you press ▲ after reaching that limit, the range starts over at –50 ° C (–58° F).

4. To turn on the alarm for the selected limit (HI or LO), press **ON/OFF TEMP AL** so **HI** or **LO** appears. Or, press it so **OFF** appears to turn off that limit's alarm.
5. Repeat Steps 2–4 (if desired) to set the other limit and turn its alarm on or off, then press **HI/LO** to return to the current temperature display.

TROUBLESHOOTING

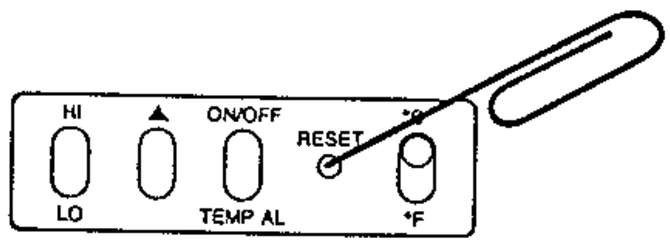
Manually Searching for a Signal

If the main unit displays **--.-** instead of a temperature or it continuously displays a temperature different than that displayed on the selected channel's remote sensor, this means the main unit has stopped receiving a signal from the sensor. Press **CHANNEL** and **MEM** at the same time on the main unit to have it manually search for a signal.

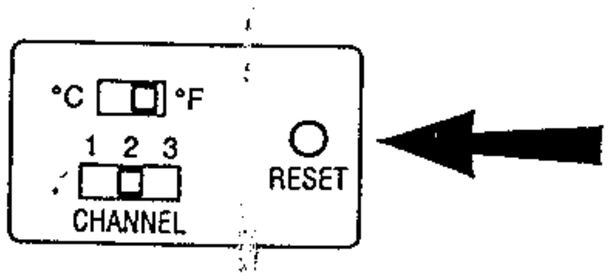
If the main unit still does not operate properly, try placing it or the remote sensor in a different location or resetting the system (see "Troubleshooting" on Page 18).

Resetting the System

If the main unit stops operating properly (and you have tried manually searching for a signal) use a pointed object (such as a straightened paper clip) to press **RESET**. This resets all display elements and temperature settings.



If the remote sensor stops operating properly (and you have tried manually searching for a signal) use a pointed object (such as a straightened paper clip) to press **RESET** inside the remote sensor's battery compartment. This resets the displayed temperature and reinitializes the sensor's transmitter.



CARE AND MAINTENANCE

Your RadioShack Indoor/Outdoor Thermometer is an example of superior design and craftsmanship. The following suggestions will help you care for your thermometer system so you can enjoy it for years.

Keep the system away from dust and dirt, which can cause premature wear of parts.

Handle the system gently and carefully. Dropping a component can damage circuit boards and cases and can cause the system to work improperly.

Use only fresh batteries of the required size and recommended type. Batteries can leak chemicals that damage your system's electronic parts.

Wipe the system with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the system's components.

Modifying or tampering with the thermometer system's internal components can cause a malfunction and might invalidate its warranty. If your thermometer system is not performing as it should, take it to your local RadioShack store for assistance.

FCC INFORMATION

This equipment complies with the limits for a Class B digital device as specified in Part 15 of FCC Rules. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the radio or TV.

Consult your local Radio Shack store if the problem still exists.

SPECIFICATIONS

Power ..... Main Unit: 3V with Two AA Batteries
Remote Sensor: 3V with Two AA Batteries
Note: At temperatures below –4° F (–20° C), use lithium batteries (Cat. No. 23-664) in the remote sensor.

Range ..... Main Unit: 23° to 122° F (–5° to 50° C)
Remote Sensor (using alkaline batteries): –4° to 140° F (–20° to 60° C)
Remote Sensor (using lithium batteries): –50° to 140° F (–45° to 60° C)

Resolution ..... 0.2° F (0.1° C)

Sampling Cycle (Approximate).....Main Unit: 10 Seconds
Remote Sensor: 30 Seconds

Accuracy ..... Main Unit: ±4° at 23° to 32° F (–5° to 0° C)
±2° at 32° to 104° F (0° to 40° C)
±4° at 104° to 122° F (40° to 50° C)
Remote Sensor: ±4° at –4° to 32° F (–20° to 0° C)
±2° at 32° to 104° F (0° to 40° C)
±4° at 104° to 122° F (40° to 50° C)
±6° at 122° to 140° F (50° to 60° C)

Weight (without batteries)..... Main Unit: 5.7 oz (162 g)
Remote Sensor: 3.5 oz (100 g)

Dimensions ..... Main Unit: $4^{5}/_{8} \times 4^{3}/_{16} \times 1$ Inches (117 ×107 × 26 mm)
Remote Sensor: $4^{1}/_{16} \times 2^{11}/_{16} \times {}^{13}/_{16}$ Inches (103 × 68 × 21 mm)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

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NOTES

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

We Service What We Sell

3/97

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Fort Worth, Texas 76102

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