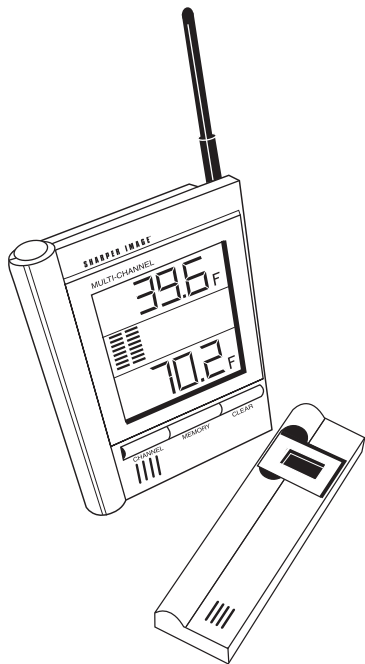


# THE SHARPER IMAGE<sup>®</sup>

## Cable-Free<sup>™</sup> In/Out Remote Thermometer with Trend Chart

OQ234 Instructions



**Read and save these instructions.**

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*Thank you for your purchase of a Sharper Image product. We appreciate your business very much.*

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*For more than 25 years, The Sharper Image has shared the fun of discovering innovative products that make life easier and more enjoyable. We've been in business a long time because we are an exciting place to shop and — just as importantly — we strive to deliver great customer service that exceeds your expectations.*

*Enjoy your purchase!*

*Respectfully,*



*Richard Thalheimer*

*Founder, Chairman and Chief Executive Officer*

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## Warnings

- Do not immerse the unit in water.
- Do not clean the unit with abrasive or corrosive material.
- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage.
- Only use fresh batteries as specified in the instructions. Do not mix new and old batteries as the old ones may leak.
- Always read the instructions thoroughly before operating the unit.

# Quick Start

## Battery Installation

### ***Remote Units:***

- Unscrew battery compartment cover for remote units first.
- Designate a channel number (1, 2, 3) for each remote on the Channel Slide Switch; choose °F or °C temperature display unit on the °F/°C Switch.
- Insert two AAA (UM-4) batteries (included) into each battery compartment as specified. Ensure proper polarities are maintained; replace cover.

### ***Main Unit:***

1. Slide open battery compartment door.
2. Insert two AA (UM-3) batteries (included). Ensure proper polarities are maintained; replace door.

### ***Checking Temperatures:***

1. Using either the table stand or wall mount feature, set the main and remote units within an effective range of 110 yards. Although the remote units are weatherproof, they should be located away from direct sunlight, rain or snow.
2. Once batteries are installed, the main unit will start receiving

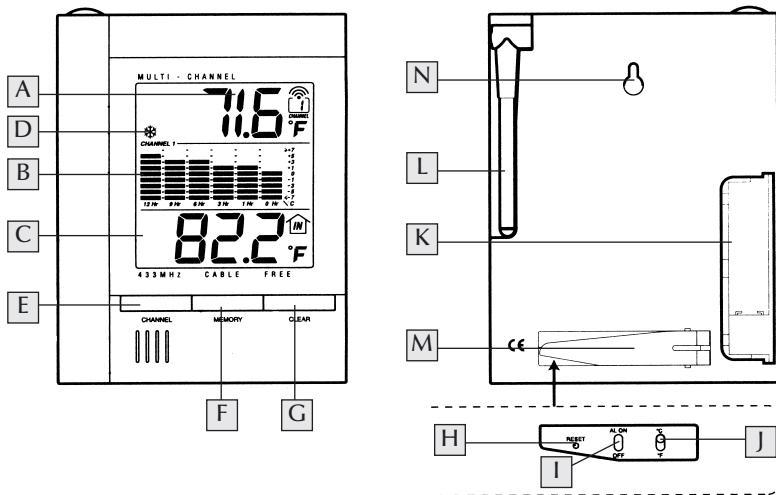
# Quick Start

temperature samplings at roughly 30-second intervals from the three remote units. If no signal is received, blanks will be displayed. Press the main unit's **CHANNEL** and **MEMORY** simultaneously to enforce another search, or to synchronize the transmission and reception of the remote and main units if you find discrepancies in the temperatures shown.

3. To view one remote unit's temperature display, press **CHANNEL** to change from one to the next.
4. To scan all three remote units with one touch, press and hold **CHANNEL** for about 2 seconds and view all three temperatures for 5 seconds each. Press **CHANNEL** again to stop the scanning function.
5. To display the maximum and minimum temperatures stored in each remote unit's memory, press **CHANNEL** for the desired channel, then press **MEMORY** to rotate through the maximum, minimum and current temperatures.
6. To clear the memory of a particular channel, press **CHANNEL** to locate the desired channel, then press **CLEAR** to erase the stored maximum and minimum temperatures. (Now, if you press **MEMORY**, these settings will have the same value as the current temperature until different readings are recorded.)

# INSTRUCTIONS FOR USE

## Main Features

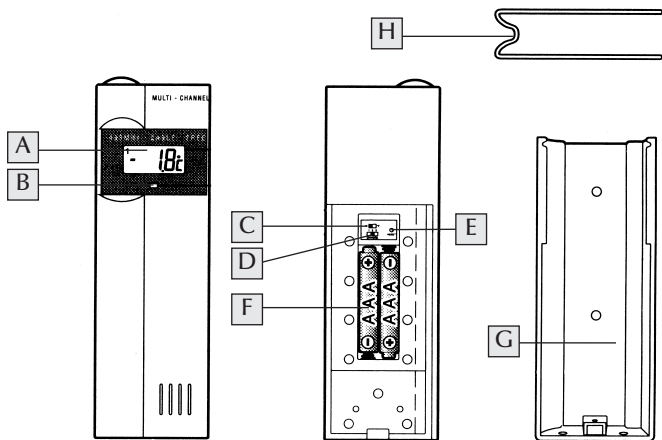


- A. OUTDOOR TEMPERATURE - Displays current temperature, remote sensor unit.
- B. TEMPERATURE TREND CHART - Outdoor CHANNEL 1 temperature variance display, last 12 hours.

## Main Features

- C. INDOOR TEMPERATURE - Shows the temperature collected indoors.
- D. ICE WARNING ICON - Lights up when the ice warning function is active.
- E. CHANNEL BUTTON - Sets the remote sensor channel.
- F. MEMORY BUTTON - Toggles between current, maximum and minimum temperatures.
- G. CLEAR BUTTON - Erases memory data.
- H. RESET BUTTON - Returns all settings to default values.
- I. ICE WARNING SLIDE SWITCH [AL ON/OFF] - Turns the ice warning function on or off.
- J. °F/°C SLIDE SWITCH - Selects between degrees Fahrenheit (°F) and Centigrade (°C).
- K. BATTERY COMPARTMENT - Accommodates two UM-3 or AA-size batteries.
- L. ANTENNA - Receives radio signal from remote unit.
- M. TABLE STAND - For standing the main unit on a flat surface.
- N. WALL-MOUNT RECESSED HOLE - For mounting the main unit on a wall.

## Main Features: Remote Unit



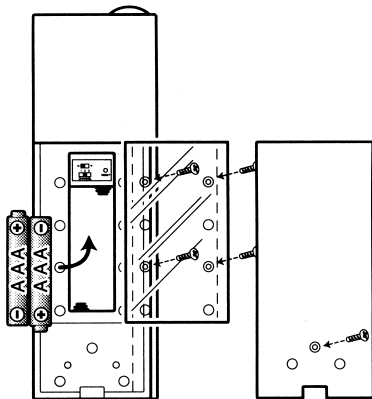
- A. LCD - Displays the current temperature monitored by the remote unit.
- B. LED INDICATOR - Flashes when the remote unit transmits a reading.
- C. °F/°C SLIDE SWITCH - Selects between degrees Fahrenheit (°F) and Centigrade (°C).



## Main Features: Remote Unit

- D. CHANNEL SLIDE SWITCH - Designates the remote unit Channel 1, Channel 2 or Channel 3.
- E. RESET BUTTON - Returns all settings to default values.
- F. BATTERY COMPARTMENT - Accommodates two UM-4 or AAA-size batteries.
- G. WALL-MOUNT HOLDER - Supports the remote unit when wall-mounted.
- H. REMOVABLE TABLE STAND - For standing the remote unit on a flat surface.

## Battery and Channel Installation: Remote Unit



1. Remove the screws on the battery compartment.
2. Select the channel number on the CHANNEL slide switch.
3. Select the temperature display unit on the °F/°C slide switch.
4. Insert two UM-4 or AAA-size batteries.
5. Replace the battery compartment door and secure the screws.

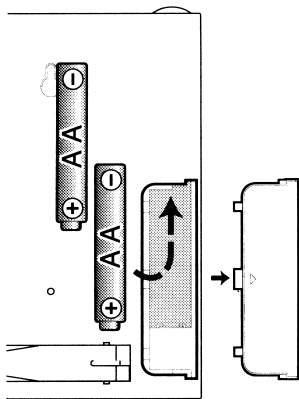
Replace the batteries when the low-battery indicator of the particular channel lights up on the main unit.

## Battery and Channel Installation: Remote Unit

**Note:** Once a channel is assigned to a unit, you can change it only by removing the batteries and repeating the above procedure.

## Battery Installation: Main Unit


1. Slide the battery compartment door open.
2. Insert two UM-3 or AA-size batteries.



3. Replace the battery compartment door.

## Battery Installation: Main Unit

4. Flip the table stand open and press the **RESET** button with a blunt stylus. This ensures easier synchronization between the transmission and reception of signals.

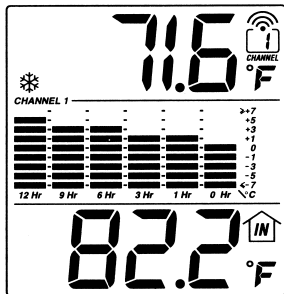
Replace the batteries when the indicator  of the indoor temperature lights up.

## Getting Started

Once batteries are in place for the remote units, they will start transmitting samplings at roughly 30-second intervals.

The main unit will also start receiving once batteries are installed. The temperature of the selected channel will be displayed on the top line and the indoor temperature on the bottom line. The main unit will automatically update its readings at 30-second intervals. The temperature variance for the last 12 hours is automatically scanned on the trend chart.

## Getting Started



If no signals are received, blanks are displayed. Press **CHANNEL** and **MEMORY** simultaneously to enforce another search. This is useful in synchronizing the transmission and reception of the remote and main units.

Repeat this step whenever you find discrepancies between the reading shown on the main unit and the reading shown on the respective remote unit.

**Note:** The remote temperature display on the main unit is determined by the selection made (°F or °C) on the main unit's slide switch. The remote sensors will automatically convert to the selection made on the main unit.

## Checking Remote and Indoor Temperatures

The indoor temperature is shown on the bottom line of the display. Temperature readings, received from a remote sensor, are displayed on the top line of the unit.

Press **CHANNEL** to change from one channel to the next.



If more than one remote sensor is being used, the unit can automatically scan all three of the outdoor channels.

To use the automatic outdoor channel scanner function, press and hold **CHANNEL** for about two seconds. The unit begins a cycle of continuously rotating through the three channels. Temperature readings from each site are displayed for approximately five seconds.

To stop the automatic scanning function, press **CHANNEL** again. The scanning cycles will stop.

## Checking Remote and Indoor Temperatures

The kinetic wave display on the channel icon indicates the status of reception.

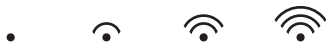
---

The unit is in searching mode



---

Temperature readings are securely registered



---

No signals

---



If no readings are received from one particular channel for more than two minutes, blanks are displayed until further readings are successfully searched. To enforce an immediate search, press **CHANNEL** and **MEMORY** simultaneously. Of course, no reading will be shown if no remote unit is assigned to that channel.

The Cable Free™ Indoor/Outdoor Thermometer is capable of measuring temperatures within the -58°F (-50°C) and +158°F (+70°C) range. If the temperature goes above or below these temperatures, the display will show “HHH” or “LLL.”

## Maximum and Minimum Temperatures

The maximum and minimum recorded indoor temperatures and those of each channel are automatically stored in memory. To display them:

1. Press **CHANNEL** to locate the desired channel.
2. Press **MEMORY** to rotate through the maximum (MAX), minimum (MIN) and current temperatures. Indoor temperature readings are displayed.

To clear the memory of a particular channel, press **CHANNEL** to locate the desired channel. Press **CLEAR**. The MAX and MIN memory for that channel will be erased. Note: It will also erase the memory for the indoor temperatures.

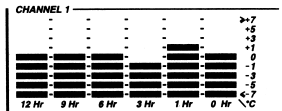
## Disconnected Signals

If, for no obvious reason, a particular channel display goes blank, press **CHANNEL** and **MEMORY** to enforce an immediate search. If that fails, ensure the remote unit for that channel remains in place, ensure the transmission is within range and the path is clear of obstacles and interference.



## How to Read the Temperature Chart

The temperature variance for CHANNEL 1 for the past 12 hours is automatically scanned on the screen in six equal columns. The variance is represented in rows of degrees C above or below the current temperature at 0 Hr (current time) and 0°C (no variance).



## Ice Warning

The ice warning is selected on the ICE WARNING slide switch located on the main unit and applies only to CHANNEL 1.

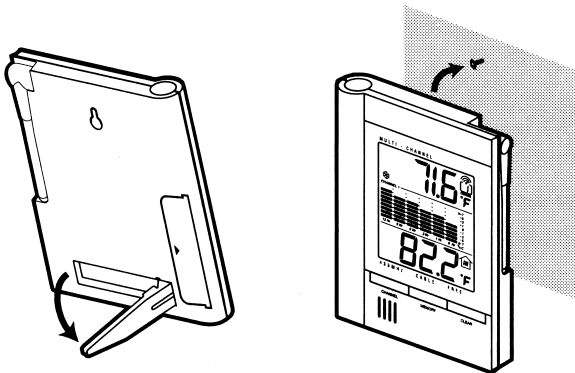
To activate the warning, slide the switch to **ON**. When the temperature recorded at CHANNEL 1 falls to between 28.4°F (-2°C) to 37.4°F (+3°C) a beeping alarm sounds and the ice warning icon ❄️ and current outdoor temperature flash. The alarm sounds every minute as long as the recorded temperature is within alarm range. To stop the alarm, press any key or change the channel. Display features continue to flash as a reminder that the temperature remains within the ice warning range.

## Ice Warning

To deactivate the ice warning function, slide the **ICE WARNING** switch to **OFF**.

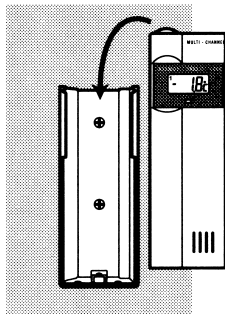
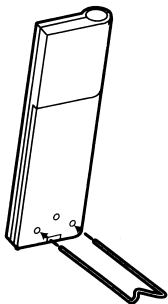
## Table Stand and Wall Mount

To place the main unit on a flat surface, flip open the table stand. Mount the unit on a wall using the recessed hole.



## Table Stand and Wall Mount

The remote unit comes with a removable table stand and a wall-mount holder.



## Reset Button

The RESET button is used to enhance synchronization of signals after battery replacement or when the unit malfunctions. Use a blunt stylus to hold the **RESET** button down. All settings will return to their default values.

# Specifications

## Temperature Measurement

### **Main Unit**

#### **Indoor Temperature Measurement**

Displayed IN temperature range 14.0°F to 158.0°F  
(-9.9°C to +70.0°C)

Proposed operating range 23.0°F to 122.0°F  
(-5.0°C to +50.0°C)

Temperature resolution 0.2°F (0.1°C)

Temperature scale <-7°C to >7°C

**Ice Warning Function** -2°C to +3°C

Channel 1 remote sensor 28.4°F to 37.4°F

### **Remote Sensor Unit**

Displayed Range -58.0°F to +158.0°F  
(-50.0°C to +70.0°C)

Proposed operating range -4.0°F to +140.0°F  
(-20.0°C to +60.0°C)

Temperature resolution 0.2°F (0.1°C)

RF transmission frequency 433 MHz

## Specifications

Number of remote units	Maximum of three
RF transmission range	100 meters
Temperature sensing cycle	30 seconds
User-selectable °F and °C	

### Power

Main unit	Use 2 UM-3 or AA 1.5V alkaline battery
Remote unit	Use 2 UM-4 or AAA 1.5V alkaline battery

### Weight

Main unit	200 g (without battery)
Remote sensing unit	87 g (without battery)

### Dimension

Main unit	153 (L) x 117 (W) x 23.5 (D) mm
Remote sensing unit	152 (L) x 48 (W) x 23 (D) mm

# WARRANTY

## What Is Covered

This warranty covers any defects in materials or workmanship, with the exceptions stated below.

## How Long Coverage Lasts

This warranty runs for 90 days from the date of original purchase.

## What Is Not Covered

This warranty does not cover damage caused by misuse or use other than as intended and described in the product instruction manual, or loss or damage to batteries or removable parts.

## What The Sharper Image Will Do

The Sharper Image will repair any defects in materials or workmanship. In the event repair is not possible, The Sharper Image will either replace this product with one of similar features and price, or refund the full purchase price of the product, whichever you prefer.

## How to Obtain Service

Return the product and receipt, along with a brief explanation of the problem, to:

**T.S.I. - Returns Department**  
**2901-A West 60th Street**  
**Little Rock, AR 72209**

If you have questions please feel free to contact our customer service representatives at 1-800-344-5555 or by email at [care@sharperimage.com](mailto:care@sharperimage.com).

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

Sharper Image Corporation  
650 Davis St., San Francisco, CA 94111  
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Due to continuing improvements, actual product may differ slightly from the product described herein.

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