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Howard Miller 612718

Howard Miller 612-718 Catalina Weather & Maritime Wall Clock Instruction Manual

Model: 612718 | Brand: Howard Miller

Product Overview

The Howard Miller 612-718 Catalina Weather & Maritime Wall Clock is a multi-functional instrument designed to provide time, temperature, barometric pressure, and humidity readings. Encased in a handsome hardwood frame with a Windsor Cherry finish, it features individual dials for each instrument, encircled by polished and lacquered brass bezels and convex acrylic crystals. This unit combines a quartz clock, thermometer, barometer, and hygrometer into a single, elegant piece.



Image: The Howard Miller 612-718 wall clock, displaying the clock face and thermometer. The clock features Roman numerals and a quartz movement. The thermometer shows temperature in both Fahrenheit and Celsius scales.

Setup

1. Unpacking

- Carefully remove the unit from its packaging.
- Inspect the unit for any signs of damage during transit.
- Retain packaging materials for future transport or storage.

2. Battery Installation (Clock)

The clock operates on a single AA-sized battery (not included).

1. Locate the battery compartment on the back of the clock mechanism.
2. Insert one new AA battery, ensuring the positive (+) and negative (-) terminals align correctly with the markings in the compartment.

3. The clock hands should begin to move within a few seconds.

3. Setting the Time

- Turn the small setting knob located on the back of the clock mechanism to adjust the hands to the correct time.

4. Mounting

The unit is designed for wall mounting.

- Choose a suitable location on a wall, away from direct sunlight, heat sources, or drafts, which could affect instrument accuracy.
- Use appropriate wall anchors and screws to securely hang the unit from the keyhole slot on its back.

5. Barometer Calibration

For accurate barometric pressure readings, the barometer may need to be calibrated to your local atmospheric pressure.

1. Obtain the current local barometric pressure from a reliable source, such as a local weather station, airport, or online weather service. Ensure the reading is corrected for sea level.
2. Gently tap the glass face of the barometer to ensure the needle settles.
3. On the back of the barometer mechanism, there is a small adjustment screw. Using a small screwdriver, carefully turn this screw until the barometer needle points to your local corrected barometric pressure.
4. The barometer also features a movable brass indicator hand. After calibration, turn this indicator hand to align with the main barometer needle. This allows you to observe changes in pressure over time.

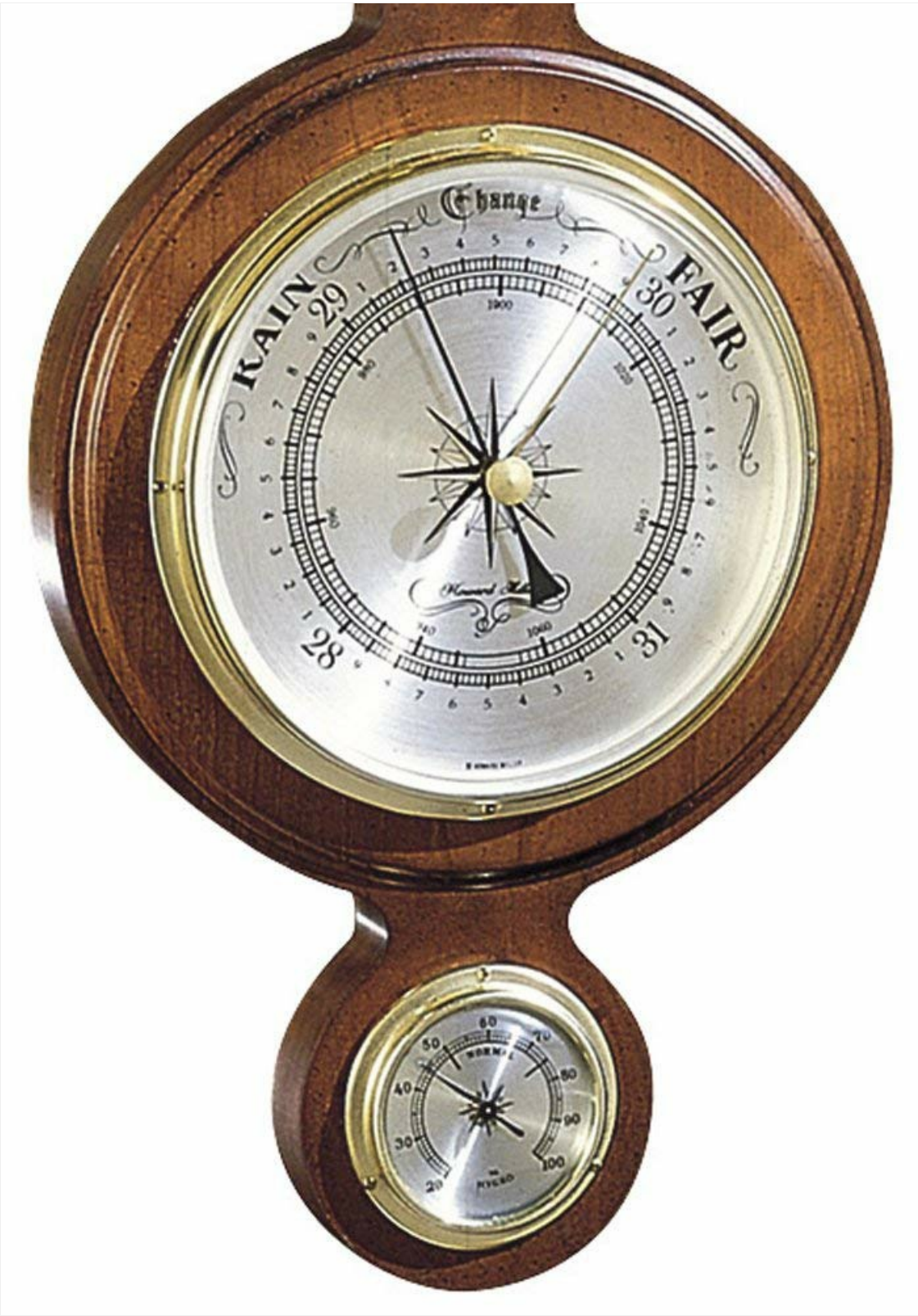


Image: Close-up of the Howard Miller 612-718 wall clock's barometer and hygrometer. The barometer dial indicates pressure changes with terms like 'Rain', 'Change', and 'Fair'. The hygrometer measures humidity.

Operating the Instruments

1. Clock

- The quartz movement provides accurate timekeeping. No further adjustment is needed unless changing time zones or for daylight saving time.

2. Thermometer

- The thermometer displays ambient air temperature in both Fahrenheit and Celsius. Readings are instantaneous.

3. Barometer

- The barometer measures atmospheric pressure. A rising pressure generally indicates improving weather, while a falling pressure suggests deteriorating weather.
- Use the movable brass indicator hand to mark the current pressure. Observe the main needle's movement relative to the indicator hand to track pressure changes over several hours.

4. Hygrometer

- The hygrometer measures the relative humidity of the air. This indicates the amount of moisture in the atmosphere.

Maintenance

1. Cleaning

- **Wood Frame:** Dust with a soft, dry cloth. Avoid abrasive cleaners or polishes that may damage the finish.
- **Brass Bezels & Acrylic Crystals:** Wipe gently with a soft, damp cloth. Do not use harsh chemicals or abrasive materials, which can scratch the acrylic or tarnish the brass.

2. Battery Replacement (Clock)

- Replace the AA battery annually or when the clock hands stop moving or become sluggish.
- Follow the battery installation steps outlined in the "Setup" section.
- Dispose of used batteries responsibly according to local regulations.

3. Environmental Considerations

- Avoid placing the unit in areas with extreme temperature fluctuations, high humidity, or direct sunlight, as these can affect the accuracy of the instruments and the longevity of the wood finish.

Troubleshooting

Problem	Possible Cause	Solution
Clock not running or running slowly	Dead or weak battery; improperly installed battery.	Replace with a new AA battery, ensuring correct polarity.
Barometer reading seems inaccurate	Not calibrated to local pressure; sudden environmental changes.	Recalibrate the barometer using a reliable local weather source. Allow time for the instrument to stabilize after moving.
Hygrometer reading seems inaccurate	Extreme environmental conditions; instrument drift.	Ensure the unit is in a stable environment. Hygrometers generally do not require user calibration. If persistent, contact support.
Thermometer reading seems inaccurate	Unit placed near heat/cold source or in direct sunlight.	Relocate the unit to a more stable ambient temperature environment.

Specifications

- **Model Number:** 612718
- **Dimensions:**

- Height: 31 inches (79 cm)
- Width: 8.5 inches (22 cm)
- Depth: 2.25 inches (6 cm)

- **Weight:** 4.7 Pounds
- **Movement Type:** Quartz (Clock)
- **Power Source:** Battery Powered (Clock)
- **Battery Requirement:** 1 x AA-sized battery (not included)
- **Materials:** Select Hardwoods and Veneers (Frame), Brass (Bezels), Acrylic (Crystals)
- **Finish:** Windsor Cherry
- **Instruments:** Clock, Thermometer, Barometer, Hygrometer
- **Mounting Type:** Wall Mount

Warranty Information

Howard Miller warrants to the original consumer/purchaser or recipient that this product will be free from defects in material and workmanship under normal use and service for a period of **two years from the date of purchase**.
Howard Miller's obligation under this warranty is limited to:

- Repairing the product with new or renewed components.
- At its option, replacing it with a new or renewed product.

This warranty does NOT cover damage resulting from:

- Abuse, accident, alteration.
- Climatic/environmental conditions.
- Damage beyond normal use.
- Freight damage, mishandling, misuse.
- Unauthorized repair.

Howard Miller disclaims any liability for incidental or consequential damages arising out of breach of this warranty or any implied warranty. Implied warranties on this product shall be in effect for the duration of the express warranty set forth above. This warranty gives you specific legal rights, and you may also have other rights which vary by state.

Support

For further assistance, technical support, or warranty claims, please refer to the official Howard Miller website or contact their customer service department. Please have your model number (612718) and date of purchase available when contacting support.
Note: Specific contact details are not provided in this manual. Please consult the manufacturer's official resources.

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