



DIRECTIONS FOR HOWARD MILLER WEATHER INSTRUMENTS

Barometer

Disregard the words Rain, Change and Fair as these are only traditional zones on a barometer dial. Your barometer indicating hand will never move all the way to Rain to predict inclement weather. The normal operating range of movement for your barometer indicating hand is from 29.5 to 30.5 inches of mercury. Your most extreme readings would occur before a hurricane or tornado when barometers have dropped as low as 28.5 inches of mercury: or, at the other extreme, if very fair, dry weather is to come, your barometer may rise to 30.9 inches of mercury.

The following procedure, if done every 12 hours, or morning and evening, should give you the best results.

1. Tap the instrument lightly to release any latent action.
2. Record the inches of mercury as indicated by the barometer hand. This is your momentary reading. Some barometer models have a set hand which can be positioned directly over the barometer hand. At a later period you will be able to notice in what direction the barometer hand has moved since the last setting.

If it moves to the right (clockwise), you have a rising barometer which usually means a change for the better or continued good weather. If the reading is to the left (counterclockwise), you have a falling barometer which usually means a change for the worse. A steady barometer means no change. For accurate weather predictions, it is highly important that your barometer be adjusted to sea level. The correct sea level reading can be obtained from your Weather Bureau or television weather forecasts.

Readings obtained from your barometer indicate weather conditions that may prevail within the next 24 to 48 hours, providing wind direction and velocity remain the same as when readings were obtained.

Adjustment of the Barometer

In the event that your barometer does not read exactly like the reading obtained from your local weather forecast, the instrument should be adjusted. Adjustment can be made from the back of the instrument. Adjust the barometer hand by turning the adjustment screw located in the hole in the back of the instrument.

Clock (if applicable)

To set time on movement remove back cover of movement housing for access to battery compartment. Install (1) AA alkaline battery (not included). The battery must be installed with the positive (+) side located as indicated on the battery compartment. The hands should be set by turning the knob on the back of the movement in the direction of the arrow until the hands indicate actual time.

Caution: When clock stops remove battery immediately and replace with new LEAKPROOF battery of the appropriate size.

Hygrometer

The Hygrometer or Humidity Indicator is designed for indoor use. While indoor and outdoor barometric pressures are identical, this is not true of the relative humidity. Therefore remember that this instrument indicates the humidity of the room atmosphere which has no relation to the outdoor humidity readings announced on the weather reports.

Adjustment of the Hygrometer

Due to transportation, this instrument may be off scale. To adjust put damp cloth on the back of the humidity indicator for 20 minutes.

The scale should then read approximately 95. If it reads a lower

number or is off scale completely, merely turn screw on back until the pointer is on 95. The humidity indicator will then start to operate again. To maintain accuracy of the instrument, it is advisable to repeat this procedure every six months.

Thermometer

The mercury type thermometer is fitted with a glass tube exhausted of air. During shipment, the liquid (mercury) in the tube may be separated. If so, this can be remedied by tapping the bottom of the thermometer (or the entire instrument) against the ball of your thumb. The liquid will thus form a solid column again.

Horizontal and Vertical Hanging of Nautical Weather Instruments and Clocks

Inserted fit ups of clocks and weather instruments may be rotated allowing the case to be hung in a horizontal or vertical position. To do this pull outward on rim bezel to remove fit up from the case. On some instruments by unscrewing the bezel, the dial can be rotated from the inside. This will enable you upon choice to hang the case from a horizontal or vertical position.

LIMITED WARRANTY

This product has been carefully manufactured using only the very finest of materials. The movement has been subjected to rigorous tests. Your Howard Miller product is warranted to be free from defects in materials and workmanship for a period of one year from date of purchase.

If a difficulty develops with the product as a result of a defect in materials or workmanship, the Howard Miller Clock Company will repair or replace the product at the factory or its Authorized Service Station, at its option. Transportation charges to and from the repair location must be paid by the purchaser.

In the event of a defect or malfunction, you should notify the Howard Miller Clock Company, Zeeland, Michigan 49464, Attention: Service Department, of the product defect or malfunction. Include your complete name, address, telephone number, the model number of the product, and the date and place of purchase. Performance of warranty obligations will be arranged by the Howard Miller Clock Company upon receipt of the above notification.

The liability of the Howard Miller Clock Company is limited to the repair or replacement described above and this warranty is extended to the purchaser in lieu of all other remedies, including INCIDENTAL and CONSEQUENTIAL DAMAGES. (Some states do not allow the exclusion of incidental or consequential damages, so the above limitation on exclusion may not apply to you.)

This warranty is void if the product is serviced by any one other than the Howard Miller Clock Company or one of its Authorized Service Stations unless prior written authorization is granted by the Howard Miller Clock Company Service Department.

This warranty is limited to the original consumer purchaser of this product.

ALL IMPLIED WARRANTIES WITH RESPECT TO THIS PRODUCT (INCLUDING MERCHANTABILITY) ARE LIMITED TO ONE YEAR FROM DATE OF PURCHASE. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



860 East Main Avenue Zeeland, Michigan 49464-1300
Corporate Office: (616) 772-9131 Fax: (616) 772-1670 Technical Assistance/Parts: (616) 772-7277
Home page www.howardmiller.com