

QUARTZ CLOCK | BAROMETER | COMFORTMETER
INFORMATION PACKET

Weems & Plath®

214 Eastern Avenue · Annapolis, MD 21403 · USA

410-263-6700 · FAX 410-268-8713

support@weems-plath.com

www.weems-plath.com

QUARTZ CLOCK OPERATING INSTRUCTIONS

1. Insert an alkaline battery in back of clock. Follow diagram on battery housing to make certain battery is placed correctly. Use only alkaline batteries as they have a longer life and are less prone to leak.*
2. To set the time, advance hour and minute hands by turning the knob on the back of the movement counter-clockwise. To reverse, turn clockwise.
3. If clock stops, it is most likely due to a dead battery. Remove the battery immediately as it may leak acid causing damage to the movement.*
4. If clock is to be left unattended for long periods of time, the battery should be removed. Otherwise it could become dead and leak acid causing damage to the movement.*

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QUARTZ CLOCK TROUBLESHOOTING

Clock will not run

- A. Install fresh alkaline battery.*
- B. Remove battery and return for service.**

Clock not keeping proper time

- A. Install fresh alkaline battery.*
- B. Inspect battery contact points-remove corrosion if present.*
- C. Remove battery and return for service.**

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** back of booklet

BAROMETER OPERATING INSTRUCTIONS

A barometer is an instrument used to predict a change in weather by measuring variations in atmospheric pressure, or the weight of the air around us. The barometer will normally indicate changes in weather 12 to 24 hours in advance. It is not an indicator of present weather conditions.

Your barometer is an aneroid type which measures atmospheric pressures mechanically without use of liquids. An evacuated hollow metallic diaphragm is employed to actuate a pointer indicating atmospheric pressure.

Your barometer can be mounted indoors as the pressure will be the same as outdoors. Don't take any notice of the words Rain, Change, Fair. They are there only as a traditional graphic decoration. At sea level the normal atmospheric pressure is about 30 inches, very rarely will the needle ever exceed 30.5 or drop below 29.5. Sometimes it is possible for the pressure to only change one or two tenths of one inch over a week or so, even a storm may only make a half inch change.

When your barometer left the factory, it was set at standard sea level. It is necessary for you to adjust it to the atmospheric pressure in your geographic area by means of the small screw found on the back of the movement. This pressure will decrease as your altitude increases. To access the screw, open case lid (bezel) to expose back of movement. If case has screw-on type bezel, simply unscrew bezel. If case has hinge type of bezel, unscrew latch and flip bezel open. If you have an Orion model, see “Drop in Module” addendum.

Contact your local weather bureau for present atmospheric pressure and adjust your barometer accordingly. For every 100 feet in altitude an adjustment of 0.11 inch is required (1000 ft. = 1.1 inch). The movements used in Weems & Plath® barometers are adjustable up to an altitude of 3500 feet.

The moveable pointer at the center of the glass cover should be set to the present atmospheric pressure. This will allow you to return to the barometer after some time has passed, and determine if the atmospheric pressure is on the “Rise” or “Fall”.

BAROMETER TROUBLESHOOTING

Black needle will not move

- A. Wait for a few days, in case the pressure is steady.
- B. Place barometer in a clear, plastic bag trapping air inside with the barometer. Hold opening of bag closed and push on bag which should create air pressure causing the needle to move. If the needle doesn't move, call Customer Service 1.800.638.0428
- C. Return for service.**

Needle showing incorrect reading

- A. Adjust the slot head screw in the back of the movement, turning either left or right to bring the needle to the correct reading.
- B. Return for service.**

GUIDE FOR CONVERSION

inch	mm	mbar	inch	mm	mbar
28.98	736.5	982	30.12	765	1020
29.04	738	984	30.24	768	1024
29.16	741	988	30.36	771	1028
29.28	744	992	30.48	774	1032
29.40	747	996	30.60	777	1036
29.52	750	1000	30.72	780	1040
29.64	753	1004	30.84	783	1044
29.76	756	1008	30.96	786	1048
29.88	759	1012	31.02	787.5	1050
30.00	762	1016			

COMFORTMETER OPERATING INSTRUCTIONS

This Comfortmeter is a combination of both temperature and humidity indicators. Calibration and positioning of hands are designed to indicate perfect comfort conditions when both hands cross in a limited area of the dial, the COMFORT Zone.

Both temperature and humidity indicators are accurately calibrated at the factory and normally require no adjustment.

HYGROMETER

The hygrometer will indicate the relative humidity of the atmosphere. While indoor and outdoor barometric pressure are identical, this is not true of the relative humidity. Therefore, remember that this instrument when used in the home indicates the humidity of room atmosphere which has no relation to the outdoor humidity readings announced on weather reports.

ADJUSTMENT OF THE HYGROMETER

Adjustment of the hygrometer is not necessary. However, it is recommended that hygrometers be kept in permanently low humidity areas (i.e. central heating, air conditioning, etc.) should be wrapped in a damp cloth for 24 hours to reactivate "lazy" dried out coils. To maintain accuracy of the instrument, it is advisable to preform this procedure every six months.

*** Movement damage caused by battery leakage will void warranty.**

**** When returning for service, be sure to remove battery. Package very carefully as Weems & Plath® can not be responsible for damage in transit.**

Please print and include our service form (online @):

www.weems-plath.com/pdf/csreturns.pdf

(or send a note describing the problem, with your name, phone number, mailing address and proof of purchase, if claiming warranty)

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