

## Models - BN503\*

Mvmt. Cal. No. J290



### ALL RESET AND ZERO POSITIONING OF ALTITUDE INDICATORS

After a complete discharge of energy and subsequent full recharge or a malfunction is noted it is necessary to perform an ALL RESET and ZERO POSITIONING of the altimeter hands. Following the ALL RESET and ZERO POSITIONING procedure, the time and calendar must be set.

□ Rotate the crown (4:00 position) counterclockwise to unlock the crown from the case.

□ Pull the crown (4:00 position) out two 'clicks'. The altimeter 1,000ft hand will make a full rotation and altimeter 10,000ft hand (9:00 sub dial) will rotate to its zero position set in memory.

□ If needed, rotate the crown (4:00 position) so that the hour and minute hands are not obstructing your view of the 12:00 position.

□ Simultaneously press and hold the upper left (A) and lower left (B) buttons for four seconds, then release. All three altimeter indicator hands will rotate slightly indicating a successful all reset.

The altimeter 25ft hand will move to show a clear view of the 12:00 position and the altimeter 1,000ft hand will move slightly indicating it is ready for zero positioning.

□ Press and release the upper left button (A) to move altimeter 1,000ft hand to the 12:00 position. Note: pressing and holding the upper left button (A) will rapidly advance the hand.

□ Press and release the lower left button (B). The altimeter 25ft hand will move to the 12:00 position and the altimeter 1,000ft hand will move to provide a clear view of the 12:00 position. The altimeter 25ft hand will move slightly indicating it is ready for zero positioning.

□ Press and release the upper left button (A) to move the altimeter 25ft hand to the 12:00 position. Note: pressing and holding the upper left button (A) will rapidly advance the hand.

□ Press and release the lower left button (B). The altimeter 1,000ft hand will move to the 12:00 position and the altimeter 10,000ft hand (9:00 sub dial) will move slightly indicating it is ready for zero positioning.

□ Press and release the upper left button (A) to move the altimeter 10,000ft hand (9:00 sub dial) to the 6:00 position. Note: pressing and holding the upper left button (A) will rapidly advance the hand.

□ Push the crown (4:00 position) in two 'clicks'. The altimeter 10,000ft hand (9:00 sub dial) will rotate to show the current power reserve level.

□ While applying gentle pressure toward the case, rotate the crown clockwise to lock it into the case.

□ You must now set the time and calendar.

### TO SET THE TIME AND CALENDAR

**NOTE:** The calendar feature is based on a 31 day month and must be manually adjusted for months shorter than 31 days.

**Note:** Do not adjust the calendar when the time shown is between 10:00 p.m. to 12:00 a.m.. The calendar gearing is engaging and manual adjustment may result in damaging sensitive components.

□ Rotate the crown (4:00 position) counterclockwise to unlock the crown from the case.

□ When the second hand reaches the 12:00 position, pull the crown (4:00 position) out two 'clicks'. The altimeter 1,000ft hand will make a full rotation and altimeter 10,000ft hand (9:00 sub dial) will rotate to its zero position set in memory.

□ Rotate the crown (4:00 position) counterclockwise until you see the date start to change.

□ Using the time shown as night time reference, continue rotating the crown (4:00 position) counterclockwise to set the current time. Setting in this manner will ensure the correct 'AM' or 'PM' time is set.

□ Push the crown (4:00 position) in one 'click'.

□ Rotate the crown (4:00 position) clockwise to set the current date.

□ For most accurate setting, in accordance with a time signal, push the crown (4:00 position) in one 'click'. While applying gentle pressure toward the case, rotate the crown clockwise to lock it into the case.

### TO CALIBRATE THE ALTIMETER

**NOTE: Altimeter accuracy is affected by weather, location, temperature, etc. For accurate altimeter measurement, you must calibrate it for each use. You may find your current altitude on certain maps, the internet or other measurement instruments.**

□ Press and release the lower left button (B). The altimeter 25ft hand will move back and forth slightly and the altimeter 10,000ft hand will rotate to the 6:00 position.

After a brief period of atmospheric pressure measurement, the altimeter hands will rotate to reflect the current measured altitude.

□ If altitude indication is incorrect and for more accurate altitude measurement, you must calibrate the altimeter to your current location.

□ Press and hold the lower left button (B) for approximately three seconds, then release. The 10,000ft hand will rotate to '+' indication.

□ If your current altitude is lower than shown, press and release the lower left button (B) to change to the '-' indication. If your current altitude is higher than shown, press and release the lower left button (B) to change to the '+' indication.

□ Press and release the upper left button (A) to rotate the altimeter 25ft and 1,000ft hands. The 25ft hand should be set to the nearest 25ft increment indication. ex: Current altitude is 89ft. Position the altimeter 25ft hand to indicate '100'.

If you need to clear calibration, simultaneously press and release both the upper left (A) and lower left (B) buttons. Return to the fourth step.

□ Press and hold the lower left button (B) for approximately three seconds, then release. This completes altimeter calibration.

□ Press and release the lower left button (B) to exit the altimeter function.

### TO USE THE ALTIMETER

**NOTE: Altimeter measurements are intended as approximate indications. Please refer to the full instruction booklet for complete information.**

**NOTE: To ensure there is sufficient power for altimeter and compass functions, be sure the power reserve indicator is at level 2 or higher.**



**NOTE: Altitude cannot be measured while in a pressurized aircraft.**

**NOTE: Atmospheric pressure measurements takes place continuously during the first five minutes of altimeter operation. After five minutes, atmospheric pressure measurement is taken once every three minutes.**

□ Press and release the lower left button (B). The altimeter 25ft hand will move back and forth slightly and the altimeter 10,000ft hand will rotate to the 6:00 position.

After a brief period of atmospheric pressure measurement, the altimeter hands will rotate to reflect the current measured altitude measurement.

□ During altimeter operation, you may engage the compass feature for approximately 30 seconds. Be sure you have calibrated the compass to ensure accurate indication.

□ With the watch in a flat and level position, press and release the upper left button (A) to start the compass function. The altimeter 1,000ft hand will rotate to indicate approximate magnetic north.

After approximately 30 seconds, the altimeter 1,000ft hand will return to altimeter function.

□ Press and release the lower left button (B) to stop the altimeter function. The altimeter 25ft and 1,000ft hands will return to the 12:00 position. The altimeter 10,000ft hand will rotate to will reflect the current power reserve level. Note: The altimeter function will stop automatically after 12-hours.

### TO USE THE COMPASS

**NOTE: The compass function indicates magnetic north, not true north. To determine true north, the declination must be set as described in the full instruction manual.**

**NOTE: The compass must be calibrated prior to use to ensure accurate indication. Refer to the full instruction booklet for compass calibration procedures.**

**NOTE: Areas that may emit strong magnetic fields such as high tension lines, airports, vehicles, or electronic equipment such as a cell phone or computer, the compass function may not correctly indicate magnetic north.**

**NOTE: During compass operation, be sure to keep the watch as still as possible and in a 'flat' (level) position.**

□ With the watch in a flat (level) position, press and release the upper left button (A). The compass hand will rotate to show the approximate magnetic north direction. You may now determine approximate compass directions. Note: Compass functions will stop automatically after 30-seconds.

□ Unscrew the scale rotation crown (2:00 position). Rotate the crown so that the north indication of the scale lines up with the compass hand.

□ Press and release the upper left button (A) to stop the compass function. Using gentle pressure towards the case, screw the scale rotation crown (2:00 position) into the case.

For complete instructions on using the Altimeter, Compass and other settings of the Altichron, please refer to the full instruction manual or the support section of our website at [www.citizenwatch.com](http://www.citizenwatch.com).