



**ALTIMETER WATCH**

**TECH<sup>4</sup>O™**  
TECHNOLOGY FOR OUTDOORS™

# Tech4o Altimeter Watch

Owner's Manual

## Content

1.0	Introduction/Features	6.1	Stopwatch History Mode - Navigating Saved Data
1.1	Button Functions	7.0	Alternate Time Zone Mode - Display
1.2	Major Function Modes	7.1	Alternate Time Zone Mode - Setting
2.1	Time / Date Mode - Setting	8.0	Altimeter Mode - Display
3.0	Daily Alarm Mode - Display	8.1	Altimeter Mode - Setting
3.1	Daily Alarm Mode - Setting	8.2	Altimeter Mode - Reading the Altimeter Data
4.0	Countdown Timer Mode - Display	9.0	Barometer Mode - Display
4.1	Countdown Timer Mode - Setting	9.1	Barometer Mode - Setting
4.2	Countdown Timer Mode - Using the Countdown Timer	9.2	Barometer Mode - Reading the Barometer Data
5.0	Stopwatch Mode - Display	10.0	Temperature Mode - Display
5.1	Stopwatch Mode - Setting	10.1	Temperature Mode - Setting
5.2	Stopwatch Mode - Using the Stopwatch	10.2	Temperature Mode - Reading the Temperature Data
6.0	Stopwatch History Mode - Display	11.0	Limited Warranty

## 1.0 Introduction/Features

- Altimeter
- Barometer
- Temperature
- Current time / date
- Daily alarm
- 5 Stopwatches
- Stopwatch history log
- Countdown timer
- Second time zone setting

To make the most of your purchase, be sure to carefully read this manual and follow the included flow chart. Keep them safe for future reference. Please take the following precautions in using and caring for your new Tech4o Altimeter Watch:

- Avoid exposing the watch to extreme conditions
- Avoid rough use and/or severe impacts
- Occasionally clean the watch with a soft and moistened cloth
- Store the watch in a clean, dry place when not in use for an extended period of time.

## 1.1 Button Functions

### **Mode Button: [M]**

Selects among the main modes of the watch.

### **Set/+ Button: [s/+]**

Accesses setting mode and increase/change digits during setting display. Also sets intermediate/lap times in stopwatch mode.

### **On/Off Button: [o/o]**

Confirms selections, start/stop the stopwatch, and lock/unlock altitude.

### **Option/- Button: [o/-]**

Decreases/changes digits during setting display and browse through sub-modes

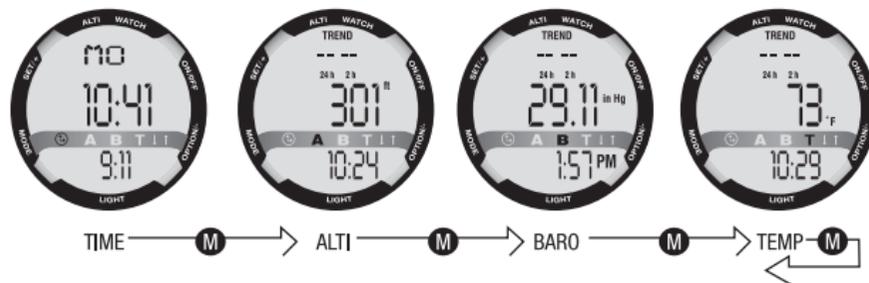
### **Light Button: [L]**

Illuminates the watch face for use during low light conditions.



## 1.2 Major Function Modes

Press any button to wake the watch from sleep mode. Press the [M] button to toggle among the main function mode.



## 2 Time / Date Mode - Display

- To view time mode, press the [m] button until the mode indicator displays the clock symbol.
- When Time / Date mode is selected, the watch will display the day of the week and current time on the top row and the current date or temperature on the bottom row.



## 2.1 Time / Date Mode - Setting

- In Time / Date mode press and hold the Set/+ button [s/+ ] for two seconds.
- The 12 H / 24 H indicator will flash. Press [o/-] button to select between a 12 or 24 hour clock feature. Press the [o/o] button to confirm.
- The hours indicator will flash. Press [s/+ ] and [o/-] buttons to select the correct hour. Press the [o/o] button to confirm.
- The minutes indicator will flash. Press [s/+ ] and [o/-] buttons to select the correct minutes. Press the [o/o] button to confirm .
- The month indicator will flash.Press [s/+ ] and [o/-] buttons to select the correct month. Press the [o/o] button to confirm.
- The days indicator will flash. Press [s/+ ] and [o/-] buttons to select the correct day. Press the [o/o] button to confirm .
- The year indicator will flash. Press [s/+ ] and [o/-] buttons to select the correct year. Press the [o/o] button to confirm.
- Date / Time Mode quick set is now complete.

## 3.0 Daily Alarm Mode - Display

This watch includes a daily alarm. When the daily alarm is ON, the alarm will sound for 30 seconds at the alarm time every day.

- To view the daily alarm display, press the [o/-] button once while in time/date mode.
- When the daily alarm is turned on, the watch will display alarm on the main screen.



## 3.1 Daily Alarm Mode - Setting

- To set the daily alarm, press and hold the [s/+ ] button for 2 seconds. When in the alarm sub-mode the hour will flash. Press [s/+ ] and [o/-] buttons to adjust the hours. Press the [o/o] button to confirm.
- At this time, the minutes will flash. Press [s/+ ] and [o/-] buttons to adjust the minutes. Press the [o/o] button to confirm.
- Press the [o/o] button again to turn the alarm on or off.

## 4.0 Countdown Timer Mode - Display

This watch includes a countdown timer.

- To view the countdown timer, press [o/-] button twice while in time/date mode.
- When the countdown timer is selected, the watch will display **TIMER** and the countdown time in the top row and the current time in the bottom row.



## 4.1 Countdown Timer Mode - Setting

- To set the countdown timer, press and hold the [s/+ ] button for 2 seconds. The hours will flash.
- Press [s/+ ] and [o/-] buttons to adjust the hour. Press the [o/o] button to confirm .
- At this time, the minutes will flash.
- Press [s/+ ] and [o/-] buttons to adjust the minutes. Press the [o/o] button to confirm .
- Press [s/+ ] and [o/-] buttons to adjust the seconds. Press the [o/o] button to confirm .

The countdown timer is now set.

## 4.2 Countdown Timer Mode - Using the Countdown Timer

- When in countdown timer mode, press [o/o] to start the countdown.
- Press the [o/o] button again to stop the countdown.
- Press the [o/o] button again to resume the countdown.
- When the countdown timer expires the alarm will sound for 30 seconds and timer will reset to the last countdown timer setting.

## 5.0 Stopwatch Mode - Display

This watch features 5 individual stopwatch counters.

- To view the stopwatch, press the [o/-] button three times while in time/date mode.
- When the stopwatch is selected, the watch will display **StP 1** in the top row and **0:00** in the bottom row.
- The measuring unit of the stopwatch is 1/100 seconds for the first 59 minutes, 59.99 seconds. After reaching 1 hour of cumulative time, the



*continues*

measuring unit changes to 1 second and the measuring range is 99 hours, 59 minutes, 59 seconds.

## 5.1 Stopwatch Mode - Setting

- In stopwatch mode, press and hold the [s/+ ] button for two seconds.
- The LAP/INT indicator will flash.
- Both LAP and intermediate settings will record time the same way, but the way the information is displayed will vary. The LAP setting will show the just the last lap time when the [s/+ ] or [o/o] buttons are pushed and in the stopwatch history. The Intermediate setting will show the cumulative intermediate times when the [s/+ ] or [o/o] buttons are pushed while in stopwatch history mode.
- Press the [o/-] button to select between Lap and int settings. Press the [o/o] button to confirm.

## 5.2 Stopwatch Mode - Using the Stopwatch

How to Press Stopwatch:

- When in stopwatch mode, press the [o/o] button to start the

stopwatch. The top row will now display ----- and the bottom row will display the current stopwatch time.

- Press the [o/o] button again to stop the stopwatch. The top and bottom rows will now display current stopwatch time.
- Press the [o/o] button again to resume the stopwatch. The top row will now display ----- and the bottom row will display the current stopwatch time.
- While the stopwatch is running, users may enter lap/int times by pressing the [s/+ ] button. The top row will now display first lap/int time and the bottom row will display the cumulative stopwatch time.
- After each successive lap/int time is entered, the top row will display:
  - \* the cumulative time of all the entered intermediate times if the int setting was selected or;
  - \* the last lap time if the lap setting was selected.
- The bottom row will display the cumulative stopwatch time.
- When the stopwatch is stopped, press the [o/-] button to proceed to the stopwatch history mode or press [s/+ ] to

*continues*

proceed to the next available stopwatch to begin recording another set of times following the steps above. [ Note that there are 5 available stopwatches]. More stopwatch information can be recorded by clearing stopwatch data in the stopwatch history mode or by recording over stopwatch #5.

## 6.0 Stopwatch History Mode - Display

The Stopwatch History mode allows you to access and view data at the end of an event.

- To access the stopwatch history mode, press the [o/-] button 4 times while in time/date mode.
- When the stopwatch history mode is selected the watch will display **St HSt** on the top row and either the current home time, or temperature depending on your selection .



## 6.1 Stopwatch History Mode - Navigating Saved Data

How to retrieve saved stopwatch information:

- To view saved stopwatch information, press the [o/o] button in stopwatch history mode to view the desired history log [**St1, St2...**].
- Press the [o/-] button to confirm and view the desired data.
- Continue pressing the [o/-] button to scroll through the different lap/int times for that stopwatch log.
- Press the [o/o] button any time to view a different stopwatch log.
- To clear all saved stopwatch data, press and hold the [s/+ ] button while selecting a stopwatch log to view.

## 7.0 Alternate Time Zone Mode - Display

- To view the alternate time zone display, press the [o/-] button 5 times while in time/date mode.
- When the alternate time zone mode is selected the watch will display the alternate time zone time in the top row and the home time in the bottom row.



## 7.1 Alternate Time Zone Mode - Setting

- In the alternate time zone mode, press and hold the Set/+ button [s/+ ] for two seconds.
- The hours will flash. Press [s/+ ] and [o/-] buttons to select the correct hour, making sure to account for a.m. A, or p.m. P. Press the [o/o] button to confirm.
- The minutes will flash. Press [s/+ ] and [o/-] buttons to select the correct minutes. Press the [o/o] button to confirm.
- The alternate time zone is now set.

## 8.0 Altimeter Mode - Display

Altimeter mode provides information and trends based on the user's altitude relative to sea level.

- To view the altimeter, press the mode [m] button until the mode indicator displays **A**.
- In altimeter mode, the watch will display both a 24h & 2h barometric TREND and the current altitude on the top row, and



the current home time or temperature in the bottom row. For more on interpreting the barometric TREND graph, please refer to section 9: Barometer Mode.

## 8.1 Altimeter Mode - Setting

- Proper calibration is important to ensure accurate altimeter readings.
- To set a reference, press and hold the [s/+ ] button for 2 seconds. [Note: Reference altitude is a know value that the watch can use as a baseline.]
- Press [s/+ ] and [o/-] buttons to adjust the reference altitude to your current altitude. Refer to a local topographical map to determine your current altitude. Press the [o/o] button to confirm.
- The unit of measure will now flash. Press [o/-] button to switch between feet and meters. Press the [o/o] button to confirm.
- Altimeter mode also has an optional lock feature.
- Press the [o/o] button to lock altimeter mode and prevent any accidental recordings of changes in altitude.

## 8.2 Altimeter Mode - Reading the Altimeter Data

- Current Altitude
  - \* Current altitude is the default display in altitude mode. This is the first feature displayed when selecting altitude mode.
- Maximum Altitude [1st sub-mode]:
  - \* In altitude mode, press the [o/-] button once to view the maximum altitude reached since the maximum altitude reading was last reset.
  - \* The word **MAX** is displayed to the right of the trend graph.
  - \* Press and hold the [s/+ ] button for 2 seconds to reset the maximum altitude.
  - \* Proceed to the Daily Ascent feature by pressing the [o/-] button.
- Daily Ascent [2nd sub-mode]:
  - \* This feature displays the user's total ascent for the day. The daily ascent feature will automatically reset at midnight.
  - \* In the daily ascent mode, the word **DAY** will be displayed to the left of the trend graph and the up arrow will be displayed in the mode indicator.

\* Proceed to the Daily Descent feature by pressing the [o/-] button.

- Daily Descent [3rd sub-mode]:
  - \* This feature displays the user's total descent for the day. The daily descent feature will automatically reset at midnight.
  - \* In the daily descent mode, the word **DAY** will be displayed to the left of the trend graph and the down arrow will be displayed in the mode indicator.
  - \* Press the [o/-] button to return to the current altitude feature.
  - \* Press the [m] button to exit altitude mode and select barometer.

## 9.0 Barometer Mode - Display

Barometer mode provides information based on changing barometric pressure.

- To view barometer mode, press the [m] button until the mode indicator shows **B**.
- In barometer mode the watch display



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shows TREND, 24h, 2h, and the current barometric pressure on the top half of the display and the current time on the bottom row.

## 9.1 Barometer Mode - Setting

- In barometer mode, press and hold [s/+ ] button for 2 seconds.
- The current barometric pressure will flash.
- We recommend that you do NOT change the sea level pressure **SE**.
- Press the [o/o] button to confirm .
- The unit of measure will flash. Press [o/-] button to select between inHg and mbar. Press the [o/o] button to confirm .

## 9.2 Barometer Mode - Reading the Barometer Data

The barometer trend graph is divided into two segments, 24h and 2h. The dashed lines display changes in barometric pressure in 24 and 2 hour intervals. See the example:

This example shows how the barometric pressure was on the rise between 24 - 12 hours ago, and has leveled off in the last 12 hours. The graph also shows



that in the last two hours, the pressure was relatively flat for the first hour and has begun to rise again in the last hour.

Barometer mode displays several useful features:

- Current Barometric Pressure [The default display in barometer mode]:
  - \* This feature displays the actual current barometric pressure.
  - \* Press the [o/-] button to advance to the 24h Barometric Difference feature.
- 24h Barometric Difference:
  - \* This feature displays the change in barometric pressure over the last 24 hours. [24 will blink]
  - \* To reset this feature, press and hold the [s/+ ] button for 2 sec.
  - \* Press the [o/-] button to advance to the Maximum Daily Barometric Pressure feature.
- Maximum Daily Barometric Pressure:
  - \* This feature displays the maximum barometric pressure for the current day.
  - \* This feature will automatically reset at midnight.
  - \* Press the [o/-] button to advance to the Minimum Daily Barometric Pressure feature.

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- Minimum Daily Barometric Pressure:
  - \* This feature displays the minimum barometric pressure for the current day.
  - \* This feature will automatically reset at midnight.

## 10.0 Temperature Mode - Display

Temperature mode records and displays critical information about changing temperature conditions.

- To view temperature mode, press the [m] button until the mode indicator displays **T**.
- In temperature mode, the watch will display barometric TREND and the current temperature on the top rows, and the current home time or temperature in the bottom row.



## 10.1 Temperature Mode - Setting

- In temperature mode, press and hold the [s/+] button for 2 seconds.
- The unit of measure will flash.
- Press [o/-] button to select between °F and °C.
- Press the [o/o] button to confirm .
- The time in the bottom row will flash.
- Use [o/-] button to select between displaying current time, or current temperature along the bottom of the watch in all other modes.

## 10.2 Temperature Mode - Reading the Temperature Data

- The temperature mode displays several useful features.
- Current Temperature: [The default display for temperature mode.]
  - \* This feature displays the current temperature of the user's surroundings.
  - \* Surrounding temperatures are generally 10 - 15°F / 5 - 8°C cooler than watch readings due to the effects of the user's body temperature.

**\* For more accurate readings, remove the watch from your wrist and allow 5-10 minutes for sensors to adjust.**

- \* Press [o/-] to proceed to the 24h Daily Temperature Difference feature.
- 24h Daily Temperature Difference:
  - \* This feature displays the change in temperature over the last 24 hours.
  - \* To reset this feature, press and hold the [s/+ ] button for 2 seconds.
  - \* Press the [o/-] button to advance to the Maximum Daily Temperature feature.
- Maximum Daily Temperature:
  - \* Displays the maximum temperature for the current day.
  - \* This feature is automatically reset at midnight.
  - \* Press the [o/-] button to advance to the Minimum Daily Temperature feature.
- Minimum Daily Temperature:
  - \* This feature displays the minimum temperature for the current day.
  - \* This feature is automatically reset at midnight.

## 11.0 Limited Warranty:

**What is covered?** Johnson Outdoors Inc. warrants your Tech4o Watch to be free from defects in materials or workmanship, and to perform accurately, for one (1) year provided it has not been damaged by the causes described in the next paragraph.

**What is not covered?** Normal wear, and damage due to the abrasion, melting, misuse, alteration, and abuse (including any disassembly) are not covered by this warranty. Digital Watches are water resistant, they are not waterproof. Damage resulting from excessive exposure to water, heat or cold is not covered under this warranty. Additionally, the battery is not covered under the warranty. Always have the battery replaced by an authorized repair center or jeweler. Should you do the work yourself, you will void this warranty.

**How to obtain warranty service or repair of your watch:** Should a defect covered by this warranty appear in your watch, call our Consumer Service Department toll-free at 1.800.572.8822 for return authorization and instructions. (You must pay the cost of returning the unit to us). If the product is found to be defective in material or workmanship, we shall, at our option, either repair or replace it without charge, and will pay the cost of return shipment to you. If repairs are required to correct any problem not covered by this warranty, we will contact you for approval to proceed and to charge you for the components repaired or replaced, plus a nominal charge for labor.

THERE ARE NO EXPRESS WARRANTIES ON YOUR WATCH THAT ARE NOT CONTAINED IN THIS DOCUMENT. IN NO EVENT SHALL WE BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM USING OR LOSS OF USE OF YOUR WATCH.

Some states do not allow exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

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

# **TECH<sup>4</sup>O™**

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