

#### GENERAL INFORMATION

The timing capacity is 100 hours to 1 second. The unit may be set to count down and alarm, or count up and alarm. A "thru-zero" feature counts to the programmed time, alarms, and counts up. A memory function recalls the last programmed time. An audible alarm sounds for one minute when a programmed time is reached. A visual alarm flashes constantly until manually turned off. A time-out feature allows the timer to be stopped for "off" periods and restarted. The clock mode displays time-of-day to the second, has a time-of-day alarm, and sounds an hourly signal.

#### COUNT DOWN ALARM TIMING

1. Press the MODE key until TMR appears on the display. If the timer is running, press the STOP key to stop the timer. Press the RESET key to clear the display to zero. Press the (▲ ▼) key until ▼ appears on the display (▼ indicates count down timing).
2. Press the number keys 0 through 9 to set desired hours, minutes and seconds. Example: to set 89 hours, 53 minutes, 27 seconds—press 8,9,5,3,2,7. Example: to set 12 minutes, 32 seconds—press 1,2,3,2. Example: to set 58 seconds—press 58.
3. When the desired amount of time appears on the display, press the START key to begin timing down.
4. When the timer reaches zero an electronic tone will

sound and the display will flash TIME'S UP. The tone will sound for one minute and then turn off automatically to preserve battery life. To turn the audible alarm off manually, press any key. At zero the timer begins timing up. This feature displays the amount of time which has elapsed since zero. When the alarm is sounding, the first press of any key turns off the electronic tone. Then press the STOP key to stop the UP timing. Press RESET to clear the display. The timer will only clear when time is stopped.

#### CORRECTING AN ENTRY

If an error is made during an entry, press the RESET key to clear the display to zero. If you wish to clear an entry when time is running, you must first stop the timing by pressing the STOP key, then press the RESET key. The timer will only clear when time is stopped.

#### COUNT UP ALARM TIMING

1. Press the MODE key until TMR appears on the display. If the timer is running, press STOP to stop the timer. Press the RESET key to clear the display to zero. Press the (▲ ▼) key until ▲ appears on the display (▲ indicates count up timing).
2. Press the number keys 0 through 9 to set desired hours, minutes and seconds. Example: to set 89 hours, 53 minutes, 27 seconds—press 8,9,5,3,2,7. Example: to set 12 minutes, 32 seconds—press 1,2,3,2. Example: to set 58. Example: to set 58.

3. When the desired amount of time appears on the display, press the START key to begin counting up. The timer automatically starts at zero and begins counting up.
4. When the programmed time is reached an electronic tone will sound and the display will flash TIME'S UP. The tone will sound for one minute and then turn off automatically to preserve battery life. To turn the audible alarm off manually, press any key. When the programmed time is reached, the display returns to zero and begins timing up. This feature displays the amount of time which has elapsed since the programmed time has been reached. When the alarm is sounding, the first press of any key turns off the electronic tone. Then press the STOP key to stop the UP timing. Press the RESET key to clear the display. The timer will only clear when time is stopped.

#### MEMORY FUNCTION (Count Down or Up Timing)

When timing repetitive intervals, the memory function will recall the last programmed time. It allows the user to dedicate the timer to a frequently timed test. The timer will return to the desired time period again and again.

Set a programmed time in either up or down timing. Press START. When the alarm sounds, press any key to stop the tone from sounding. Press the STOP key to stop the display from counting up. Press the MEMORY key to display

the original programmed time. Press the START key to begin a memory time.

You may repeat this process as often as needed. Note: If RESET is pressed when the time is stopped, it clears the display and the memory.

You may view the time in the memory while the timer is running by holding down the MEMORY key. When the MEMORY key is released, the display returns to the running time.

#### TIMEOUT

The timer may be stopped during any running time by pressing the STOP key. Timing may be resumed by pressing the START key.

#### STOPWATCH TIMING

1. Press the MODE key until TMR appears on the display. If the timer is running, press STOP to stop the timer. Press the RESET key to clear the display to zero. Press the (▲ ▼) key until ▲ appears on the display (▲ indicates count up timing).
2. Press the START key to start timing. The timer may be stopped by pressing the STOP key and restarted by pressing the START key (timeout function). When timing has been completed and the timer has been stopped, press the RESET key to clear the display to zero.

#### TIME-OF-DAY CLOCK SETTING

1. Press the MODE key until CLK appears on the display. Press the (▲▼) key and SET will appear on the display.
2. Press number keys 0 through 9 to set the time-of-day. Example: for 10:32 PM press 1,0,3,2. Press MEMORY for PM. Press (▲▼) to enter the time and start the seconds counting.

#### TIME-OF-DAY ALARM SETTING

1. Press MODE Key until CLK appears on the display. Press RESET and AL will appear on the display. Press the (▲▼) key and SET will appear on the display.
2. Press number keys 0 through 9 to set the time-of-day alarm. Example: to alarm at 3:21 PM press 3,2,1. Press the MEMORY key for PM. Press (▲▼) to enter the alarm time. The "((A" on the display indicates the alarm is on and will sound at the alarm time. Press the RESET key to return to the clock mode.
3. When the time-of-day alarm time is reached, a tone will sound for four minutes and then turn off automatically to preserve battery life. To turn the audible alarm off manually, press any key while the timer is in any mode.
4. To turn the time-of-day alarm on or off, press the MODE key to enter the CLK mode. Press START/STOP to prevent the alarm from sounding, "((A" dis-

appears from display. Press START/STOP to activate the alarm, "((A" appears on the display.

Note: When the time-of-day alarm is activated a tone will sound for four seconds every hour on the hour. To stop the hourly tone the time-of-day alarm must be turned off.

5. To review a time-of-day alarm time, place the timer in the clock mode and press RESET once. Press the RESET key to return to the clock mode.

#### ILLEGAL TIMES

Entering more than 59 minutes in the minutes' digits or 59 seconds in the seconds' digits, or entering a number greater than 12 hours when setting the time-of-day will prompt an alarm and an E (error message) on the display when the START key is pressed. Press RESET to clear the display and enter a legal time.

#### BATTERY

An incorrect display or no display indicates that the battery should be replaced. Equivalent battery replacements are: RAYOVAC RW42, DURACELL 0357, and EVEREADY 357. Insert the battery with the positive side facing you.

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## MINI-ALARM- TIMER/ STOPWATCH INSTRUCTIONS