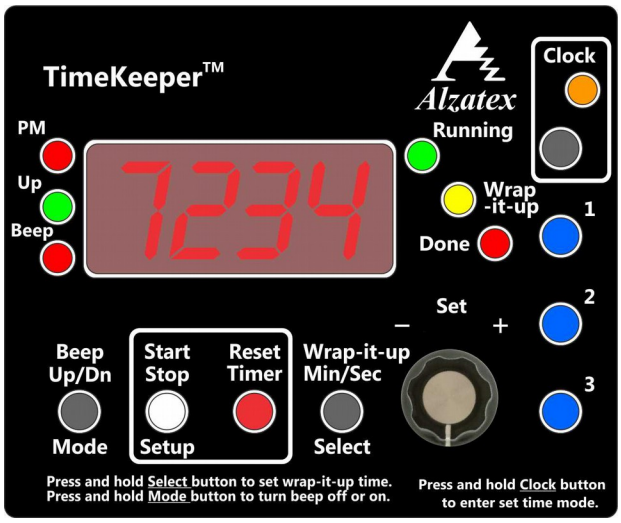
The TimeKeeper ™ Count Up/Down timer with Clock and Presets



Buttons and Controls

Tap the desired button to cause the action to occur.

- **Reset** – Select timer mode, reset the count up timer zero, reset the count down timer to the preset value.
- **Mode** – Selects count up or count down while in timer mode. Selects 12 or 24 hour while in time of day clock display mode.
- **Select** – Selects between setting hours, minutes and seconds.
- **Start/Stop** – Runs or pauses the timer.
- **Clock** – Changes the display to show the time of day clock. Tapping this button while in the clock mode changes between 12/24 hour display.
- **Preset** – Recalls a stored setting.
- **Knob** – Turn the knob to change a value.

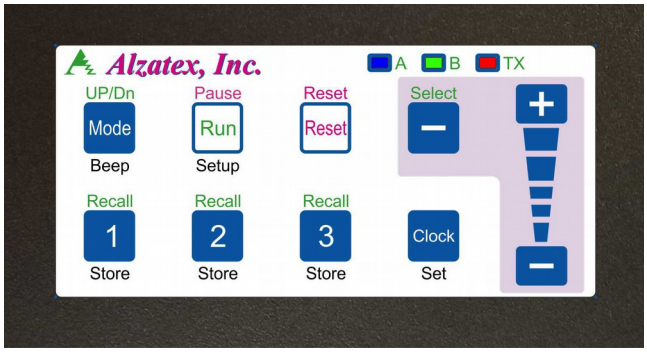
Count Down Timer Mode (hh:mm:ss)

- Tap the **Reset** button to select timer mode.
- Tap the **Mode** button, to select the count down mode, if not already in the count down mode.
- Turn the **Knob** to set desired time. The **Select** button selects between setting hours, minutes and seconds.
- Tap the **Start/Stop** button to start the timer.

Count Up Timer Mode (hh:mm:ss)

- Tap the **Reset** button to select timer mode.
- Tap the **Mode** button, to select the count up mode, if not already in the count up mode.
- Turn the **Knob** to set desired time. The **Select** button selects between setting hours, minutes and seconds.
- Tap the **Start/Stop** button to start the timer.

In count-down mode, the timer stops when it reaches zero. In count-up mode, the timer keeps running until stopped.



User Programmable Presets

- Setup the timer preset time to the desired time.
- Set the Green and Yellow Warning times the way you want them.
- Also, select the desired count up/down mode and beeper mode.
- If you want the preset to start the timer automatically, start the timer running.
- Press and hold the desired **Preset** button until the display blinks to save the timer preset time, Yellow Warning and Yellow Blink times, timer count up/down mode, beeper mode, special timer modes, timer run status, event counter preset value, and event counter scale factor. When the display changes, the settings are stored.
- To activate the **Preset**, a single button press will recall the setting to the exact conditions that were saved.

Power Up Presets

- Setup the timer preset time to the desired time.
- Set the green and yellow warning times the way you want them.
- Also, select the desired count up/down mode and beeper mode.
- Press and hold the **Start/Stop** button to enter the timer setup mode.
- Press and hold the **Reset** button until the display blinks to save the timer preset time, green and yellow warning times, timer count up/down mode, beeper mode and special timer modes. When the display changes, the settings are stored.
- The next time the unit is powered up, these settings will be restored.

Deleting the user programmed power up presets.

- Set the hours, minutes and seconds to 00:00:00.
- Press and hold the **Start/Stop** button to enter the timer setup mode.
- Press and hold the **Reset** button until the display blinks. The next time the unit is powered up, the factory default settings will be loaded.

Clock Mode

- Tap the **Clock** button to select clock mode.
- The **Clock** or **Select** buttons select displaying 12 hour time, military time or seconds. In 12 hour mode, the PM LED will be on for PM and off for AM.

*Press and hold the **Clock** button to enter set time mode.*

- Turn the **Knob** to set the hours.
- Tap the **Clock** button again.
- Turn the **Knob** to set the minutes.
- Tap the **Clock** button again to return to normal display, or other available settings, like seconds.

Special Timer Modes

While in the count down mode, when the timer reaches zero, it stops. Two other special timer modes are available. Press and hold the **Start** button until the display changes. Turn the **Knob** to select the desired mode.

- Mode 0: (**default**) Stop when the timer reaches zero. In this mode, the timer stops when the elapsed time reaches zero.
- Mode 1: Red blink on timer zero. The red indicator blinks until the timer is reset.
- Mode 2: Auto-Restart mode. In this mode, the timer automatically restarts counting down from the preset value each time the timer reaches zero. The Auto-Restart mode works in both count up and count down modes. The count up mode uses the count down timer preset time to determine when to reset the count up timer back to zero and restart.
- Mode 3: Change to count up when the timer reaches zero. In this mode, the timer changes to the count up mode and starts counting up when the timer reaches zero.

Beeper Modes

The Timekeeper™ has several beeper modes: Single beep; Beep at each of the warning times; Pulsing beep until reset; steady beep until reset, and beeper disabled. Press and hold the **Mode** button until the display changes. Turn the **Knob** to select the desired beeper mode.

- Mode 0: Beeper off.
- Mode 1: A single beep when the timer reaches zero.
- Mode 2: Continuous pulsing beep when the timer reaches zero. Pressing the **Reset** button stops the beep.
- Mode 3: Continuous steady beep when the timer reaches zero. Pressing the **Reset** button stops the beep.
- Mode 4: Beep when the timer is started.
- Mode 5: Beep when the timer is started and a single beep when the timer reaches zero.
- Mode 6: Beep when the timer is started and continuous pulsing beep when the timer reaches zero.
- Mode 7: Beep when the timer is started and continuous steady beep when the timer reaches zero.
- Mode 8: Beep at the warning times. You can add 8 to any of the other modes. Ie: Mode 9 is beep at the warning times and at zero.

*Note: See **Beeper and relay setup** options for additional beep options.*

Red-Yellow-Green Display

- The **Green** lamp comes on when the timer is started and turns off when either the blink time or the warning time is first reached.
- When the **Yellow** blink time is reached, the **Yellow** lamp blinks on and off every second. (The default **Yellow** blink time is at 2 min.)
- When the **Yellow** warning time is reached, a fast blink occurs approximately 8 times and then the **Yellow** lamp remains on. (The default **Yellow** steady on time is at 1 minute.)
- Note that the **Yellow** steady and **Yellow** blink sequence may occur in either order depending on the programmed setting. If they are set to the same time, the **Yellow** steady on takes precedence.
- When the timer reaches zero, the **Red** lamp comes on and the **Yellow** lamp goes off. In the default count down mode, the timer stops when the **Red** lamp turns on. In the count up mode, the timer keeps running after the lamp turns **Red**.
- Tap the **Reset** button on the TimeKeeper™ to turn off the **Red** lamp.

Setting the Yellow Blink Time

- *Press and hold the **Select** button until the screen reads "blnk" and then release the **Select** button. The current blink time setting will appear.*
- *Turn the **Knob** to the minute(s) setting desired.*
- *Tap the **Select** button once and turn the knob to add seconds. (Tapping the **Select** button now toggles between setting minutes and seconds.)*
- *Tap the **Reset** button to return to the count-down time.*

Setting the Yellow Warning Time

- *Press and hold the **Select** button until the screen reads "blnk." Release the **Select** button and press and hold it again until the screen reads "-lArm." The current warning time setting will appear.*
- *Turn the **Knob** to the minute(s) setting desired.*
- *Tap the **Select** button once and turn the knob to add seconds.*
- *Tap the **Reset** button to return to the count-down time.*