Speed-Timer 3000 Fast Draw Timer Operating Instructions

Install a 9-volt Alkaline Battery in the battery compartment of the *Speed-Timer 3000 Fast Draw Timer*. Plug in the RJ9 Jack on the end of the 25 Foot cable (included) into the plug on the *Speed-Timer* and the other end of the cable into the RJ9 Jack on the Light Package. Position the Light Package in an appropriate location.

The *Speed-Timer* comes with three timer modes that allow you to practice by yourself, or with the assistance of a timer operator.

Practice Mode with Ready Lights and Random Start:

Press and hold down the START/RESET key on the *Speed-Timer* from one to three seconds ("3 sec" will appear on the screen), release the START/RESET key to initiate the record mode with a Practice Mode start. This mode includes:

- **A delay of approximately 2 seconds after releasing the button to allow you to position your hands at the gun.**
- **The light will then flash three times for a total of 2 seconds to simulate the "Shooter on the Line, Shooter Set" command.**
- **The light will then go out, followed by a 2-5 second random delay before the light comes on solid for 2 seconds.**

Draw and fire when the light comes on. The *Speed-Timer* display will indicate the number of shots fired, the total elapsed time for all shots, and the split time between the last two shots if more than one shot is fired (the cross-over time in Doubles).

Timer Operator Mode with Random Start:

Press and hold down the START/RESET key on the *Speed-Timer* for at least three seconds ("0 sec" will appear on the screen), give the "Shooter on the Line, Shooter Set" command, then release the START/RESET key to initiate the random delay mode. There will be a 2-5 second random delay before the light comes on solid for 2 seconds. Draw and fire when the light comes on. The timer display will indicate the number of shots fired, the total elapsed time for all shots, and the split time between the last two shots if more than one shot is fired (the cross-over time in Doubles).

Timer Operator Mode with Instant Start:

Press and hold down the MODE key on the *Speed-Timer* , then press the START/RESET key for at least three seconds ("0 sec" will appear on the screen). While continuing to press the MODE key release the START/RESET key to initiate the Record Mode and turn on the target light for 2 seconds. Draw and fire when the light comes on. The timer display will indicate the number of shots fired, the total elapsed time for all shots, and the split time between the last two shots if more than one shot is fired (the cross-over time in Doubles).

Review Mode:

To review all shots fired (in order) within one minute of activation of the Record Mode, press and release (less than one second) the START/RESET key, cycling through the shots fired. Press and release START/RESET key for all remaining shots.

On/Off:

The display on the *Speed-Timer* will automatically shut off when not in use for more than one minute during the Record Mode or Review Mode. You can also turn off the timer while in the Review Mode by pressing the MODE key. You will not lose the shot times in memory. Press and release the START/RESET key at any time for less than one second to reactivate. The *Speed-Timer* will turn itself off if no shots are recorded within one (1) minute in the Record Mode.

***IMPORTANT NOTE:* The light unit has NOT been designed to withstand the impact of a wax bullet, or the burning powder from a blank load. Make sure to protect the light by placing it behind something protective like lexan. For target ideas please check our page at gunfighter.com/timers/tips-ref-fd.html**

Using the Speed-Timer with the Fast Draw Multi-Function Display (purchased separately)

Install a 9 volt Alkaline Battery in the battery compartment of the *Fast Draw Multi-Function Display* or plug the 9 Volt/110 Volt Adapter (included) into the adapter connector located on the bottom of the Display and then into a suitable 110 volt power source.

Your Multi-Function display unit has the ability to work in two modes. You can use it to display the times recorded on the hand-held timer transmitted to the display via radio signals (P-7), or you can connect it to your balloon or wax target and stop via a micro-switch or impact pick-up sensor directly connected to the display. In this mode (P-5) the hand-held unit transmits a signal to the display unit to start timing, which is then shut off when the micro-switch or impact sensor is tripped by hitting the target.

Setting the Display unit to display times transmitted from the Timer (switch position 7) (as shipped)

In this mode your display unit does not need to be connected to any targets. It will display the time recorded on your hand-held timer, transmitted to it via radio signals from the *Speed-Timer*.

Using a small screwdriver set the selection dial on the back of the display unit to the "7" position. Turn on the Display with the on/off switch located on the left side of the unit. P7 will appear on the screen, indicating the Display is in the mode to receive timer transmissions, followed by the display's ID number (E.G. 1234), then the *Fast Draw Multi-Function Display* will display 0.000 indicating that the display is in the Ready Mode to receive times. Begin timing as mentioned in *Speed-Timer* instructions above and watch the Display unit display your times.

Setting the Display unit to connect to a balloon or wax target sensor (switch position 5)

The Multi-Function Display units have a built-in timer that when set to mode 5 will receive the start command from your hand-held unit, then shut off when a micro-switch or wax target impact sensor is released. This allows your hand-held timer to control display units on one or more targets.

Using a small screwdriver set the selection dial on the back of the display unit to the "5" position. Turn on the Display with the on/off switch located on the left side of the unit. P5 will appear on the screen, indicating the Display is in the mode to receive the start transmission from your hand-held unit. The display will also indicate the display's ID number (E.G. 1234). Plug the RJ9 jack from you micro-switch or wax target impact sensor into the jack on the bottom of the display unit.

Building your RJ target cable to a balloon or wax target

At an electronics store purchase a cable with RJ9 jacks (commonly used on phone equipment), making sure to have enough cable to place the display unit well out of shooting range. Remove one end of the cable and attach the required connector for your balloon target using the red and black wires from the cable.

Setting your Speed-Timer to Communicate with a Fast Draw Multi-Function Display

Note, your *Speed-Timer* and *Fast Draw Multi-Function Display* has had the ID factory set, and if purchased together should be pre-configured to work together, but any *Speed-Timer* can be programmed to communicate with any *Fast Draw Multi-Function Display* using the following method:

Install a 9 volt Alkaline Battery in the battery compartment of the *Fast Draw Multi-Function Display* or plug the 9 Volt/110 Volt Adapter (included) into the adapter connector located on the bottom of the *Fast Draw Multi-Function Display* and then into a suitable 110 volt power source.

Turn on the *Fast Draw Multi-Function Display* with the on/off switch located on the left side of the unit. P7 will appear on the screen, indicating the Display is a *Fast Draw Multi-Function Display*, followed by the Displays ID number (E.G. 1234) and then the display will show 0.000 indicating that the display is in the Ready Mode to receive times from the *Speed-Timer*. Make a note of the ID number that was displayed.

Hold down the MODE key on the *Speed-Timer* for 10 seconds, a four digit ID will be displayed on the timer with the first digit flashing. Using the up and down arrow keys set the first number if required to the first number that the *Fast Draw Multi-Function Display* displayed when it was first turned on and press the MODE key. The second digit will now be flashing, again using the arrow keys up or down to set this digit and press the MODE key. Repeat this process for all remaining digits and press the MODE key to finish. Your *Speed-Timer* is now preset to communicate with this display unit.

Note: This setting will not change unless you repeat the above process. Removing or changing the batteries or the power source does not effect these setting on either the *Speed-Timer or the Fast Draw Multi-Function Display.*

Helpful Tips

- **You can adjust the sensitivity of the sound pick-up by using the dial accessed through the hole in the back of the timer. Make sure to use a small flat-head screwdriver so you can feel when you get to the end. Turn it very gently counter-clockwise to make the timer less sensitive.**

  Important Note: this sensitivity dial can be turned too far, so please make sure to do this adjustment very carefully and stop when you feel resistance. If you're not sure if you've gone all the way counter-clockwise, try going clockwise a bit, then turn back counter-clockwise to verify.

- **When shooting loud blanks or loud wax loads in an echo prone environment you may get multiple shots recorded on the timer even after turning down the sensitivity. Use the review mode to view the first shot fired. This will be the actual time of your shot.**

- **When using the micro-switch pick-up with a display unit (mode 5) you should adjust the sensitivity on your timer to the lowest setting (turn counter-clockwise) to reduce sound pickup and transmission. Placing masking tape over the two slots on the front of the timer will also help reduce sound pick-up.**

- **The light unit has NOT been designed to withstand the impact of a wax bullet, or the burning powder from a blank load. Make sure to protect the light by placing it behind something protective like lexan. For target ideas please check our page at gunfighter.com/timers/tips-ref-fd.html**

- **There are a number of ways you can protect your light cable from being damaged by wax bullets or burning powder. A solutions that some shooters are using is to find about eight or ten feet of old garden hose, then threading the wire through it, usually by cutting the hose lengthwise and pushing the wire through the slit. You can also use "Wire Loom", which is a specially made wire protector that you can find at cabling and some car audio retailers. The hose or wire loom will protect the wire from the wax bullets or burning powder and save you having to perform those wiring jobs to re-connect the light. If you do shoot the cable or otherwise cut it in half, the easiest thing to do is to try and fix the cable yourself by stripping off the plastic coating and reconnecting the wires, covering each re-connected wire with tape.**

- **Please check out all our tips at gunfighter.com/timers/tips-ref-fd.html**