Triathlon Timing System

Orbiter’s Sports Timing system is just what your Triathlon organization needs to make your event successful. The reliable "do it yourself" timing system that saves you thousands of dollars.

Triathlons are recognized as the world's most difficult event to time. Orbiter is the only system known to reliably time an event by a novice first time user. You gain the same world class results without fear.

The detectors only take 3 minutes to set up and are easily and quickly placed. This is because there are no cables, mats or wires to connect. Triathlon race timers like the immediate set up feature. This works for venues that allow a limited time to set up such as Parks in the early morning.

To have success, the novice timer needs only to remember three things: First, place and turn on the detectors. Second, know who you gave the wrist / ankle transponders to. Third, make the readers beep when Participants pass. This ease is possible due to our unique "Reprocessing" feature. All software set up settings may be changed during or after the event. Thus, you have confidence of a 100% successful race.

Orbiter also allows quick movement of detectors during a race, transition times, multiple methods of starting your event, and rich- robust results. You now have confidence, and can relax. Just remember the three points above.

The Internet is optional and not required.

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The Orbiter detector uses AGM batteries which are replaced through a hatch door on the bottom of the bollard. A marine 120 volt plug is also positioned at the bottom of the Orbiter. This allows for powering through a standard extension chord plug. The power supply is 24 volts which is 25% greater than competitive products, thus allowing the best tag read capture rates. A battery indicator light tells the user of the power level (Green – Yellow – Red).

Proprietary Orbiter 3D tags are used. These are unique passive (no battery) tags specially designed for Triathlons and Mud Runs. They are affixed to the ankle or wrist using a standard Triathlon strap and are the most robust passive tags on the market.

Typical deployment of a standard Triathlon allows your choice of using one, two or three detectors.

The detectors may be set to last tag detect seen or first tag detect seen depending on the race director’s preference. The distance tags may be detected from the detector may also be controlled. This is done through Orbiter’s Phase Detection technology.

An internal clock keeps time within each detector. These are synchronized and according to US Military testing are 1/100th seconds accurate and do not drift during the test period (30 days). The clocks automatically synchronize with the scoring computer each time they come in contact.

The Watch Dog software inside the detectors sends Heart Beat messages to the scoring computer signifying all is well.

Due to the battery weight placed low in the Orbiter, the detector is stable. The system is extremely rugged and may be dropped and abused. No separate pelican case or time detector control box is required as in other systems.

For more information
888-816-4366 Toll Free North America; Or, info@orbiter.com

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