

## Director-of-Shooting Assistant

The **D-o-S Assistant** is a micro-controller based timing system specifically designed for FITA/NAA archery tournament timing.

The **PURPOSE** of the **D-o-S Assistant** is to integrate and simplify the Director-of-Shooting's time setting and audible signaling tasks during an archery tournament.

The **BENEFITS** of the **D-o-S Assistant** are:

- The Director-of-Shooting does not have to divide his or her attention between monitoring the shooting activities and the timing-signaling tasks; once set the **D-o-S Assistant** controls the timing and signaling tasks.
- The **D-o-S Assistant** is easy to setup and use.  
Simple 3-step set-up:
  1. Select the Program and Time Selection,
  2. Enter the selection and
  3. Confirm that the displayed information is correct.

Make the selection **ONCE** and the Countdown Timing is repeated each time the START Pushbutton is pressed; automatic Second Shooting Line Start when 2 lines have been selected.

- Tournaments run more quickly.  
If the Shooting Line has cleared during the final 60 seconds of the countdown press the Start Pushbutton (EARLY Restart feature) and one of the following occurs:
  - For a single or the second of two shooting lines the horn is sounded 3-times,
  - For the first of two shooting lines the horn is sounded 2-times, automatically starting the second Shooting Line.
- The Countdown display and horn are synchronized.
- The First-Up Shooting Line and the number of the End-to-be-Shot are automatically displayed between Ends. The displays are three (3) digits wide; the Shooting Line (AB or CD) is displayed as A or C + two (2) digits for the number of the End-to-be Shot. For a single Shooting Line the letter E precedes the number of the End-to-be-Shot.
- Setting the Emergency-Stop switch to ON automatically sounds the horn and stops the Countdown.
- Individual (Make-Up) Arrow(s) timing does not require resetting the Shooting Time Countdown selection.
- **Excellent viewability in full sunlight.**

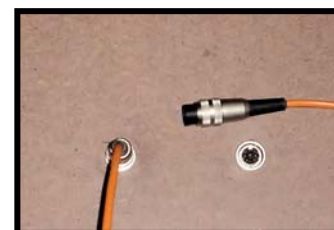
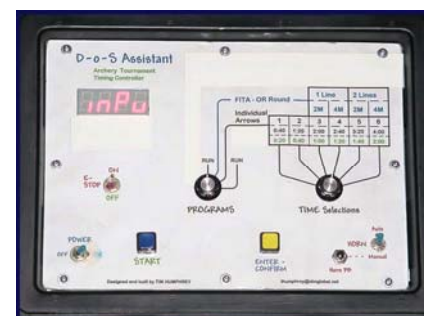


A **BASIC D – o – S Assistant System** consists of:

- The Control Console and micro-controller,
- One 3-character, 6" tall 7-segment LED Display and
- Interconnecting cable, power source connectors, voltage converter and power supply.

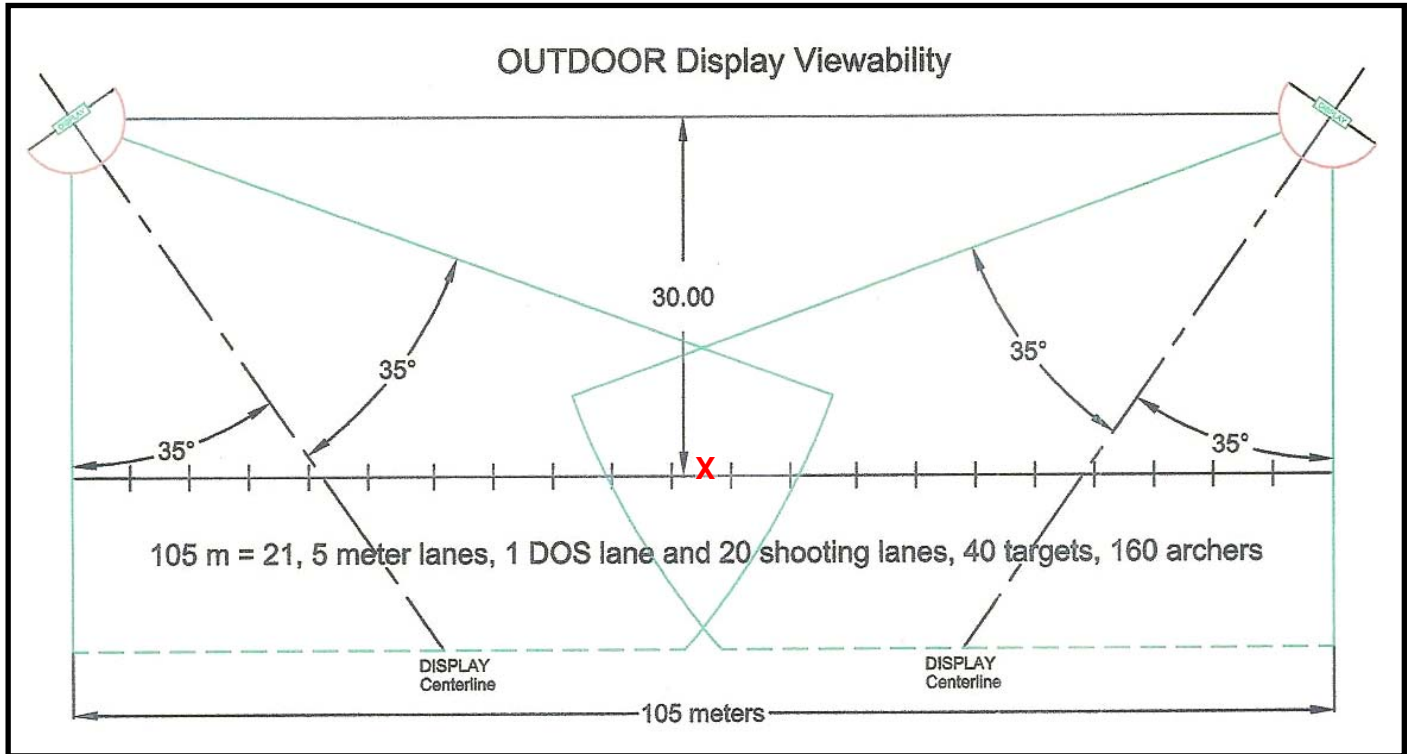
### PHYSICAL DESCRIPTION

- The display case is 16 ½" x 10 ½" x 3 ½" with a red tinted plastic cover in front of the LEDs. Each case is provided with a standard ¼ x 20-tripod bushing, strap handle and 2 D-rings for suspension. The horn is mounted on the display case.
- The Control Console and micro-controller are housed in a lockable, HDPE case with snap-clasps, 12" x 9 ¾" x 4 ½".
- The interconnecting cable(s) is/are terminated with keyed and threaded plugs.
- The voltage converter and power supply are contained in appropriately sized boxes.



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## DISPLAY VIEWING AREA



A single display 30 meters from the shooting line and directly facing the shooting line will cover 4 lanes either side of the display's centerline.

The photo is an illustration of a display's visibility when viewed from the red X position in the diagram. The photo was taken at the Sunbird Tournament, Austin Texas.



## POWER REQUIREMENTS

Either a 12 V auto battery or standard household AC voltage can be used to power the system. A good quality, fully charged battery will power a 2-display system for at least 5 hours. The built-in "Low Battery" monitor will illuminate to indicate that there is approximately 20 minutes of running time remaining.

## ENVIRONMENTAL CONSIDERATION

The system components are **NOT** waterproof/submersible. The components are weather-resistant, a light and/or intermittent rain poses no problem.

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### SYSTEM MAXIMUMS

The maximum number of displays is 6 and the maximum total cable usage is 305 meters. A system that requires more than 6 displays and/or 305 meters of cable will also require additional engineering and development time and expense.

### WARRANTY, Plain and simple ---

For 2-years from the date of purchase, if my components and/or workmanship are faulty I'll repair or replace as necessary.

If FITA changes the timing rules such that reprogramming is required; return the controller, postage paid, and the reprogramming is free.

#### SPECIFIC Exclusions

- Obvious abuse
- Cut or damaged cables
- Arrow(s) in or through a display

### PRICING

BASIC D – o – S Assistant System		\$1200.00	
BASIC D – o – S Assistant System and	The 1 <sup>st</sup> additional display @ (\$650)	\$1850.00	2 Display System
	The 2 <sup>nd</sup> additional display @ (\$620)	\$2470.00	3 Display System
	The 3 <sup>rd</sup> additional display @ (\$620)	\$3090.00	4 Display System
	The 4 <sup>th</sup> additional display @ (\$600)	\$3690.00	5 Display System
	The 5 <sup>th</sup> additional display @ (\$600)	\$4290.00	6 Display System

Shipping is separate and determined for each order.

Because each system is custom built displays purchased after an initial order delivery will require that the complete, original system be returned and reworked to accommodate the new displays; cost not to exceed \$700.00/new display + shipping.

### OPTIONS

Elimination and Team Round programming \$ 75.00

Other Countdown Timing Programming,

Example: NFAA 4 minute 5 arrows. If the timing can be described it can probably be programmed.

The D – o – S Assistant Controller can usually be interfaced to an existing manual Traffic Light or similar system.

**FOR MORE INFORMATION** contact:

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