



All-American Voice Release



Instruction Manual

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1 YEAR LIMITED WARRANTY

OUTERS warrants the enclosed product against defects in material and workmanship under normal use and service for a period of one (1) year provided it is returned in accordance with this warranty. If defective, the product will be repaired or replaced at *OUTERS'* option, at no charge, with dated proof of purchase. This warranty does not cover defects or damage resulting from: misuse, improper operation, unauthorized modification, liquid, batteries, or normal wear and tear.

OUTERS IS NOT LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. HOWEVER, SOME STATES DO NOT ALLOW LIMITATIONS ON INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

FCC NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Users of the All-American Voice Release are authorized under part 15 of the FCC rules to use this device without a license. However, making any modifications not expressly approved by the manufacturer may void the user's authority to operate this device

Introduction

The **OUTERS** All-American Wireless Voice Release provides 21st century technology to a century old game.

Features of the All-American Voice Release system include:

- ♦ **Shooting stations are completely wireless**
 - No cables to damage or trip over.
- ♦ **Long battery life**
 - Transmitters operate for 90+ hours on a single 9V alkaline battery.
- ♦ **16 channel RF transmission**
 - Provides maximum transmission distance without trap field crossover problems.
- ♦ **Tripod style stand**
 - Gives ultimate in stability and portability.
- ♦ **Receiver mounts in trap house**
 - 12VDC power supply plugs into 110 volt wall outlet.
 - Out of sight and weather.
- ♦ **Two second delay between calls**
 - Enhanced safety of trap house personnel using hand-set machines.
- ♦ **'Perfect release' timing circuitry**
 - Gives releases comparable to the best human puller – every time.
 - Eliminates slow and fast pulls.
- ♦ **Durable transmitter enclosure**
 - Provides protection against the weather.
- ♦ **'Low battery' signal**
 - Scorekeeper's Handheld Release Unit flashes to signal low battery in one of the transmitters.
 - Transmitter flashes every two seconds to alert low battery condition.
- ♦ **Three minute 'sleep mode'**
 - System powers down after three minutes of non-use.
 - Provides safer environment for trap personnel.

WHAT'S INCLUDED



<u>ITEM</u>	<u>QTY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	5	123456	Stand Base Assembly
2	5	123456	Stand Rod Assembly
3	5	123456	Plastic Clamping Knob - 1/2-13 Thread
4	10	123456	1/2" id x 1-1/4" od PVC Washer
5	5	123456	Hitch Pin Clip
6	1	123456	110 ft. Handheld Control Unit Cord
7	1	123456	10 ft. Trap Release Cord
8	1	123456	Receiver Unit and mounting bracket
9	1	123456	12VDC Power Supply
10	1	123456	Handheld Control Unit
11	5	123456	Transmitter Unit

Installation

1. Assembling The Stands

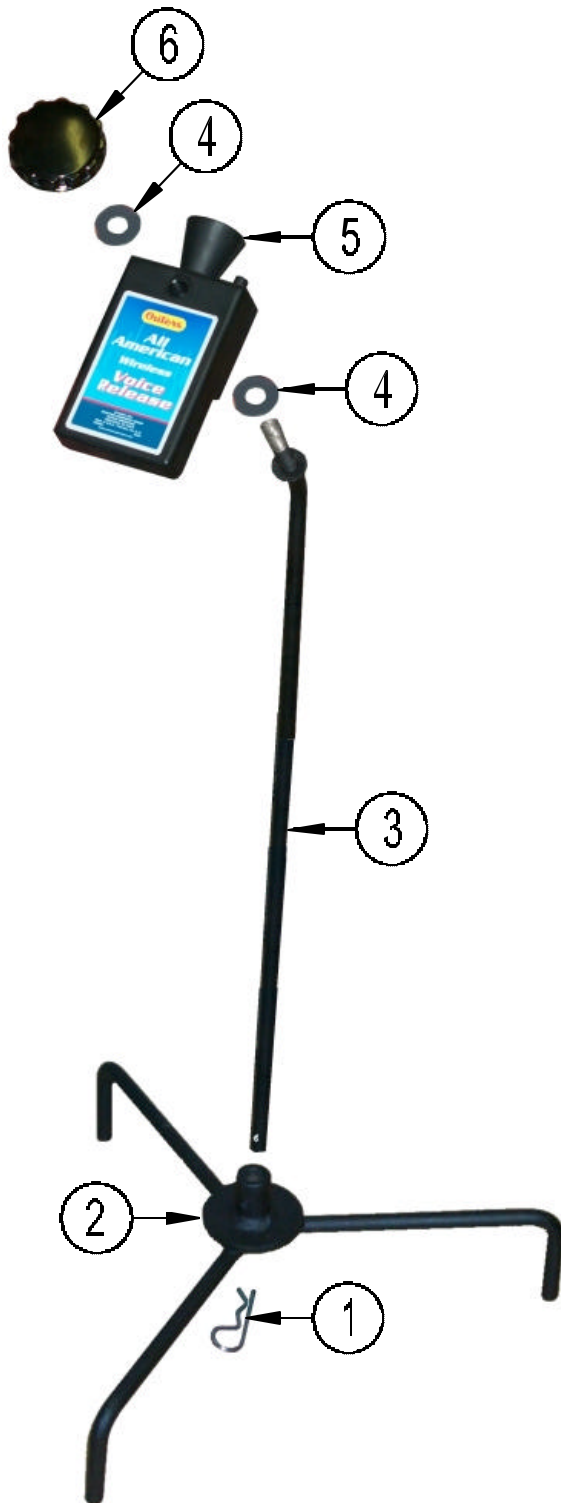


Figure 1 – Exploded View

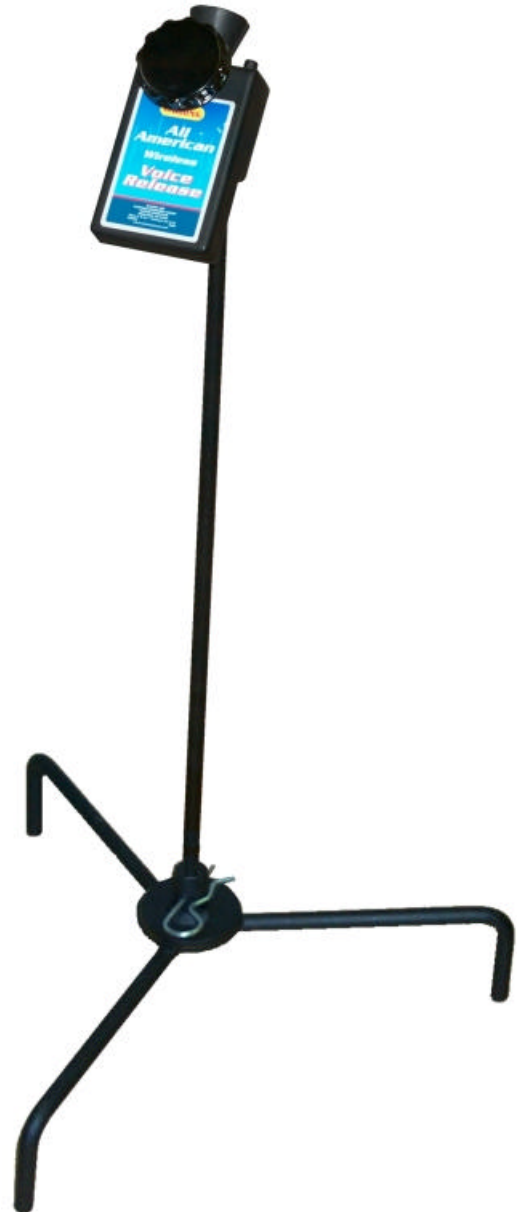


Figure 2 – Assembled Stand

Refer to Figures 1 and 2 on the Previous page:

1. Insert Stand Rod (item 3) into Stand Base (item 2) such that the transmitter mounting threads will be facing the same direction as the third leg of the base for added stability.
2. Insert Hitch Pin Clip (item 1) through holes in Stand Base and Stand Rod.
3. Place one 1/2" id PVC Washer (item 4) over threads on Stand Rod (item 3).
4. Slide Transmitter (item 5) over threads on Stand Rod (item 3), lining up "D" shape hole in Transmitter to "D" shape on the Stand Rod threads.
5. Place one 1/2" d. PVC Washer (item 4) over threads of Stand Rod (item 3) on top of Transmitter (item 5).
6. Screw Plastic Clamping Knob (item 6) onto Stand Rod (item 3) and tighten to secure Transmitter (item 5). **CAUTION: DO NOT OVERTIGHTEN!**

2. Setting Transmitter/Receiver Channels

The Voice Release system allows you to select one of sixteen transmitting channels (frequencies) to avoid the triggering of traps in adjacent trap houses. The sixteen codes are set per the following table:

CHANNEL	DIP1	DIP2	DIP3	DIP4
1	off	off	off	off
2	off	off	off	on
3	off	off	on	off
4	off	on	off	off
5	on	off	off	off
6	on	on	off	off
7	on	off	on	off
8	on	off	off	on
9	off	on	on	off
10	off	on	on	on
11	on	on	off	on
12	on	on	on	off
13	on	off	on	on
14	off	off	on	on
15	off	on	off	on
16	on	on	on	on

Note: Both Receiver and Transmitter(s) must have the same settings in order to operate properly.

To Set the Transmitter DIP switches (refer to figure 3):

1. Remove four Phillips head screws to open Transmitter housing.
2. Set DIP switches to appropriate setting (see Table)
3. Replace Transmitter cover and four phillips head screws

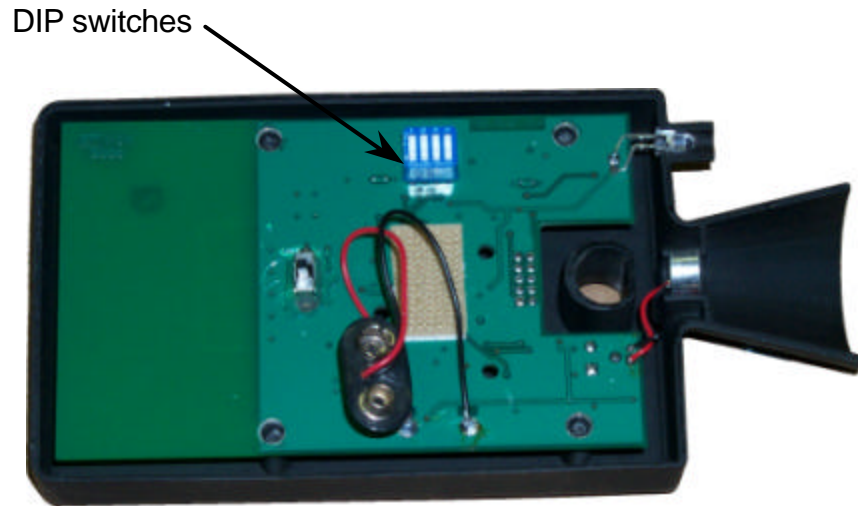


Figure 3 – Transmitter DIP switch location

To Set the Receiver DIP switches (refer to figure 4):

1. Loosen four screws to remove Receiver cover.
2. Set DIP switches to appropriate setting (see Table)
3. Replace Receiver cover and tighten four screws

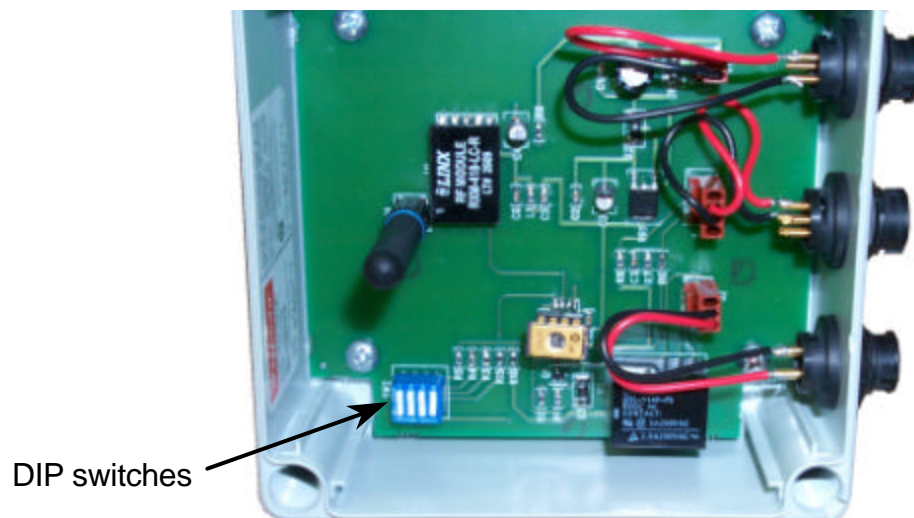


Figure 4 – Receiver DIP switch location

3. Install Battery in Transmitter

The Transmitter runs on a single 9V battery (alkaline recommended). Expected average life of an alkaline type battery is 90+ hours at 70°F. The battery is installed in the battery compartment on the bottom of the Transmitter. (see figure 5) To install the battery:

1. Open battery compartment on bottom of Transmitter.
2. Remove old battery from battery compartment.
3. Remove old battery from battery leads.
4. Attach new 9V battery (alkaline recommended) to battery leads.
5. Place battery into battery compartment.
6. Replace battery compartment cover.



Figure 5 – Battery Compartment location

4. Mounting the Receiver in Trap House

IMPORTANT! In order to achieve maximum reception capabilities, the Receiver must be mounted so that the top of the Receiver is horizontal. It is also important that the Receiver be mounted such that the minimum amount of obstructions and distance is between it and the Transmitter(s). There should not be any metal objects between the Receiver and Transmitter(s), as this will decrease effective range. The recommended placement of the Receiver is in the upper right or left rear corner of the traphouse. This location provides the most unobstructed position for the Receiver to receive signals from the shooter's Transmitters.

To Mount the Receiver:

1. Determine the best location in one of the upper rear corners of the traphouse that provides the least amount of interference causing obstructions (including lights and conduit).
2. Anchor the Receiver bracket to the wall using four (4) suitable No. 10 screws in appropriate wall anchors. (see figures 6a & 6b)
3. Remove wing nut securing strain relief clamp to the Receiver bracket. (see figure 6)
4. Slip clamp over wire of 110 ft Handheld Control Unit Cord.
5. Re-attach clamp to Receiver bracket, securing with wing nut. This will prevent plug damage if the cord is pulled too hard.
6. Connect the system wiring as outlined in the next section (5. Connecting the System)

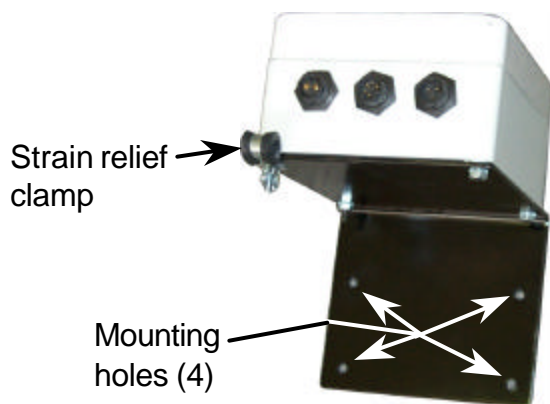


Figure 6a
Receiver on mounting bracket

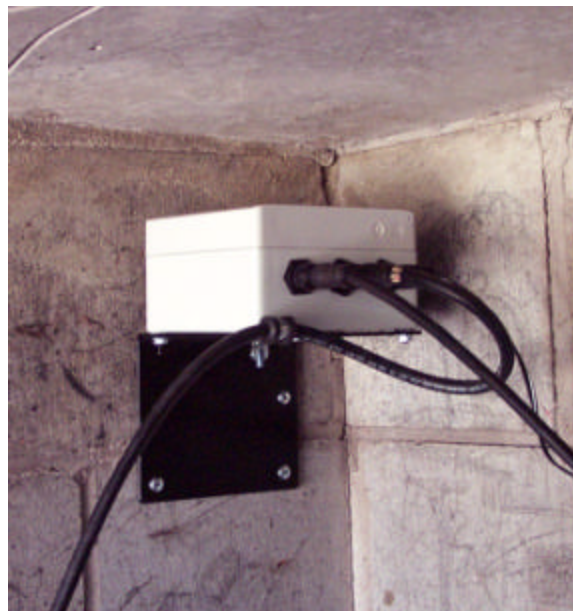


Figure 6b
Receiver mounted in Traphouse

5. Connecting The System

After the Receiver has been mounted in the trap house (refer to section 3) you are ready to connect the system together. This consists of attaching a suitable plug (depending on trap manufacturer) to the end of the 10 ft Trap Release cord, attaching the Handheld Control Unit to one end of the 110 ft. Handheld Control Unit cord, and connecting the 12VDC Power Supply, 10 ft. Trap Release cord and Handheld Control Unit cord to the Receiver unit.

1. Connect appropriate plug end to bare end of 10 ft Trap Release Cord. No plug has been provided as styles vary between different trap manufacturers.
2. Connect the end of the 10 ft. Trap Release cord with the appropriate plug to the trap machine's release cord connector.
3. Connect the other end of the 10 ft. Trap Release Cord to the Receiver by inserting the connector into the socket that has 2 pins and twisting it to secure. (see figure 7)
4. Connect one end of the 110 ft. Handheld Control Unit cord to the Handheld Control Unit and the other end to the Receiver into the socket that has 5 pins (see figure 8)
5. Connect the 12VDC Power Supply cord to the Receiver by inserting the plug into the socket that has 3 pins and twisting it to secure. (see figure 9)
6. Plug the 12VDC Power Supply into an 110VAC wall outlet.



Figure 7 – 10 ft. Trap Release Cord connection

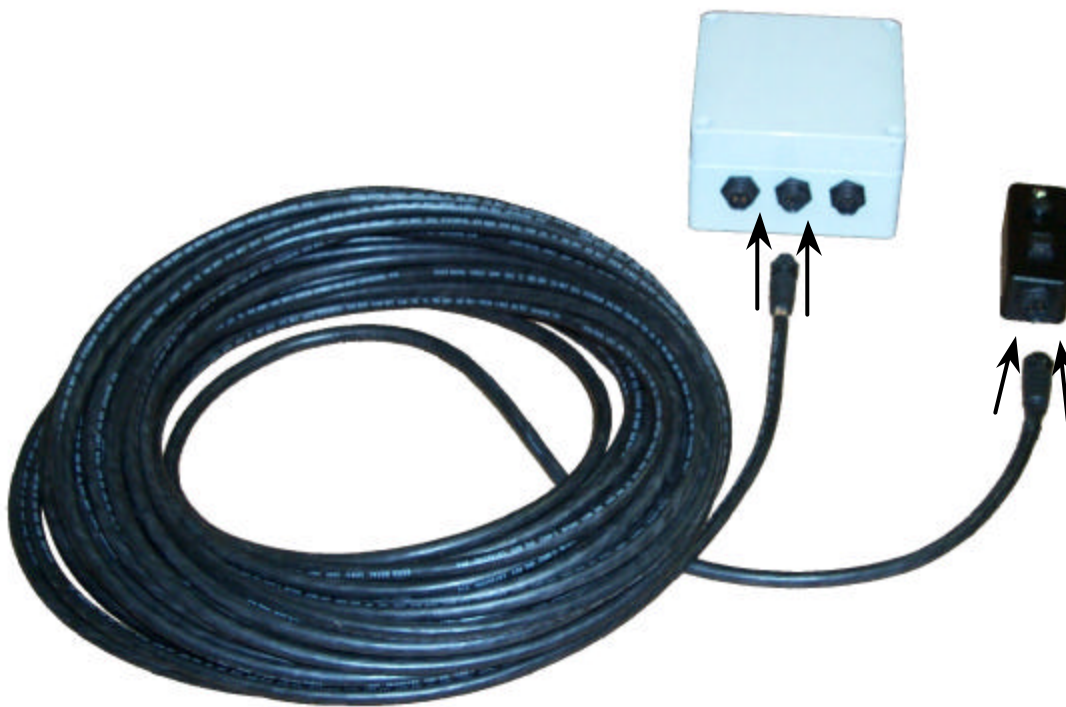


Figure 8 – Handheld Control Unit cord hook-up



Figure 9 – 12VDC Power Supply cord hook-up

Operation

The following items must be set up prior to using the All-American Wireless Voice Release system:

1. Transmitter stands are assembled (refer to pages 3 & 4)
2. DIP switches set to match in transmitters and receiver (refer to pages 5 & 6)
3. Receiver is mounted in trap house (refer to page 7)
4. Battery is installed in transmitters (refer to page 8)
5. Power supply is connected to receiver and plugged into wall outlet (refer to page 9)
6. Trap release cord is connected to receiver and trap machine (refer to page 9)
7. Handheld Control Unit is plugged into receiver (refer to page 9).

After confirming the previous items, you are ready to begin using the system.

System Operation

1. Set the stand with the transmitter at a comfortable position 2-3 feet from your shooting stance. (see figure 10)
2. Turn the transmitter(s) on/off switch to the 'ON' position. (see figure 11) The red LED at the front of the transmitter will flash 6 times verifying power is on. (see figure 12)
3. Turn the scorekeeper's Hand Held Release Unit on on/off switch to the 'ON' position. The red LED on the hand Held Unit will light indicating the system is powered on and ready to accept voice calls. (see figure 13)
4. The "pull" button on the scorekeeper's Handheld Release unit allows the scorekeeper to manually release a target whether the power switch is in the on or off position. (see figure 13)
5. The system is designed to shut down and ignore any input from the Transmitter(s) after a period of 3 minutes as a safety feature to prevent accidentally firing the trap during periods of non-use. The system can be re-activated by either: 1) Toggling the ON/OFF switch on the Handheld Control Unit to the "OFF", then "ON" position or 2) Manually releasing a target by pressing the 'pull' button on the Handheld Control Unit.
6. "Call" for your target using your normal calling style. The system accepts a wide variety of pull calls and changes in calling styles are usually not necessary.
7. When the Transmitter's battery power becomes low, there is approximately 5 hours of life remaining. At this point, the red LED on the Transmitter will begin flashing once every two seconds. The red LED on the scorekeeper's Handheld Unit will also begin flashing once every two seconds, signaling that one of the Transmitters is at a low battery state. The Transmitters can then be checked to determine which one is flashing signaling the low battery state. Refer to part 3 in the Installation section on how to replace the Transmitter's battery.
8. During inclement wet weather, the Transmitter can be covered with a plastic bag to help prevent any moisture from entering the enclosure. No loss of performance will occur.



Figure 10 – Transmitter Stand position



Figure 11 – Transmitter On/Off Switch



Figure 12 – Transmitter LED

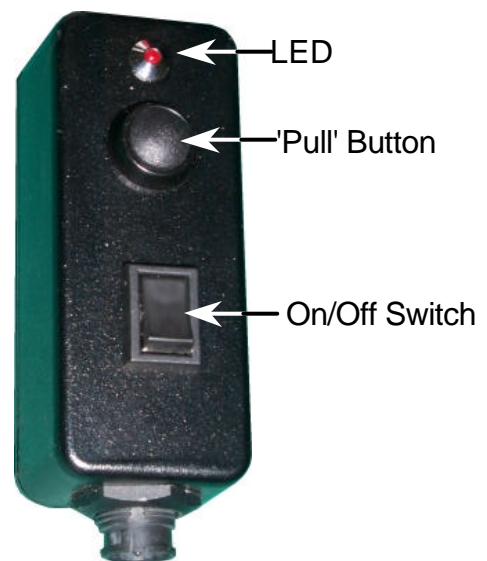


Figure 13 – Scorekeeper's Handheld Release Unit

