

The logo for Trijicon, featuring the word "Trijicon" in a bold, sans-serif font with a registered trademark symbol. The logo is set against a dark, textured background that appears to be a close-up of a rifle scope's reticle.

SELF-LUMINOUS RIGHTS & SCOPES

**Trijicon, Inc.**

ISO 9001 Certified

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September 30, 2002

Dr. John P. Jankovich  
Mail Stop: T-8F5  
Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852

SUBJECT: Reply to review of NOTIFICATION OF DISCONTINUATION OF  
REVIEW AND EVALUATION FOR REGISTRATION OF GUN SIGHT MODELS  
TX\*\* SERIES

Dear Dr. Jankovich,

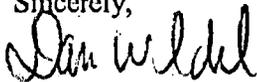
Thank you for the in depth review of our application and attachments. I will address each issue brought forth in your letter dated 8/30/02 in the attached letter. I chose to format the response to your letter in the same manner, where each question is referred to in the same numbering format.

All new ATTACHMENTS have revision levels and dates. For you documentation purposes, all documents without a revision level noted in the original submission sent 8/12/02 will be Revision 0.

Trijicon would like to have documents which include all drawings and photographs in the original submission sent 8/12/02 and the re-submission dated 9/30/02 kept proprietary, please see attached affidavit per 10 CFR 2.790 (ATTACHMENT 15).

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Darin W. Schick". The signature is written in a cursive, slightly slanted style.

Darin W. Schick  
Engineering Manager

Enclosure: As stated  
Cc: Stephen Bindon

1. Finalized Documents

1.1 See UPDATED ATTACHMENT "TRIPower TEST REPORT" REVISION 1 9/30/02.

1.2 See UPDATED ATTACHMENT 10 FINAL MANUAL REVISION 1 9/30/02.

2. Construction of the product

2.1 See original and UPDATED ATTACHMENT 5 "T 4734-1" Revision 1 drawing for the source used in the device. There is only one source in the device. The maximum activity of the source used in the device for ALL models is 250mCi (millicuries) see UPDATED ATTACHMENT 5 for drawing of T 5475-1 Revision 0. The 5 units used for the Prototype testing had T 4734-1 source installed. Structural integrity of the mounting of the Tritium source and the material protecting it is the same. See Source Mounting Method in XTRX3000\_NRC Sheet 1 Rev 2 updated ATTACHMENT 4.

2.2 See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheet 1 updated ATTACHMENT 4. This is the same as the ACOG II attachment method currently approved. The description of the plastic and PCB board material described in Drawing No. XTRX3000\_NRC Rev 2 Sheet 1 was removed from the drawing and is now described in ATTACHMENT 11 Rev 0 9/30/02.

2.3 See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheets 1-5.

2.4 See UPDATED ATTACHMENT 1A Revision 1 with a description of differences in model numbers. This chart has the 4 major differences in bold.

**MASK** - is piece of metal that is attached internally to the fiber reticle that changes the image projected to the user. See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheet 4.

**LENS** - is the objective lens where we may want to change the coating on the lens for different conditions of use. See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheets 4&5.

**MOUNTS** - is the mount that holds the device on to the weapon that will change configuration depending on the user's preference. Any mount will attach to the device in the same location. See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheet 5.

**PRESSURE PAD** - is a plug in switch to allow the user to operate the electronics remotely. See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheet 5.

These above described differences in the model numbers are items that do NOT affect the protection, mounting, or assembly, of the Tritium source. The Tritium lamps for all models are mounted using the same method. The source mounting

is the same methodology as Trijicon has done for many years with the ACOG sights Method II. See UPDATED Drawing No. XTRX3000\_NRC Rev 2 Sheet 1.

- 2.5 The TriPower or TX\*\* series gun sights has warranty for 15 years on the Tritium brightness and there is a **Limited Lifetime Warranty** see operators manual. The life of the product hardware may exceed the 15 years. See updated ATTACHMENT 10 Revision 1 for more information from the Operators Manual.

### 3. Labeling

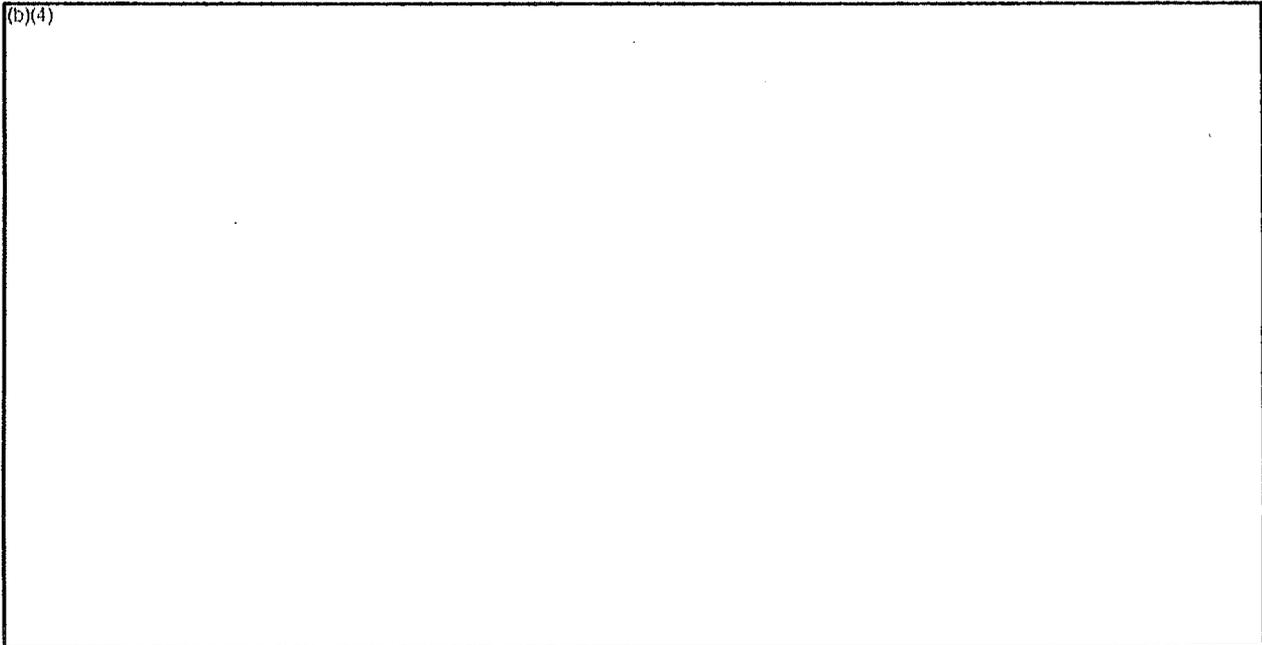
- 3.1 The content of the permanent label on the TX\*\* series gun sights is shown on the original ATTACHMENT 6 drawing # XTRX3000\_NRC Rev 1. The permanently embossed text reads, "Trijicon TriPower contains tritium. The purchaser is exempt from any regulatory responsibility." The other side permanently embossed text reads "Trijicon® TriPower™" This is embossed text that is molded into all parts. The life of the text exceeds the life of the product.

According to 10 CFR 32.22 (a) (2) (x) "The proposed method of labeling or marking each unit with identification of the manufacturer or initial transferor of the product and the byproduct material in the product." Trijicon is the manufacturer and the by-product material is Tritium. According to Trijicon's understanding of 10 CFR 32.22 (a) (2) (x), we meet the NRC's specifications. See updated drawings XTRX3000\_NRC Rev. 2 sheets 2 & 3 ATTACHMENT 4.

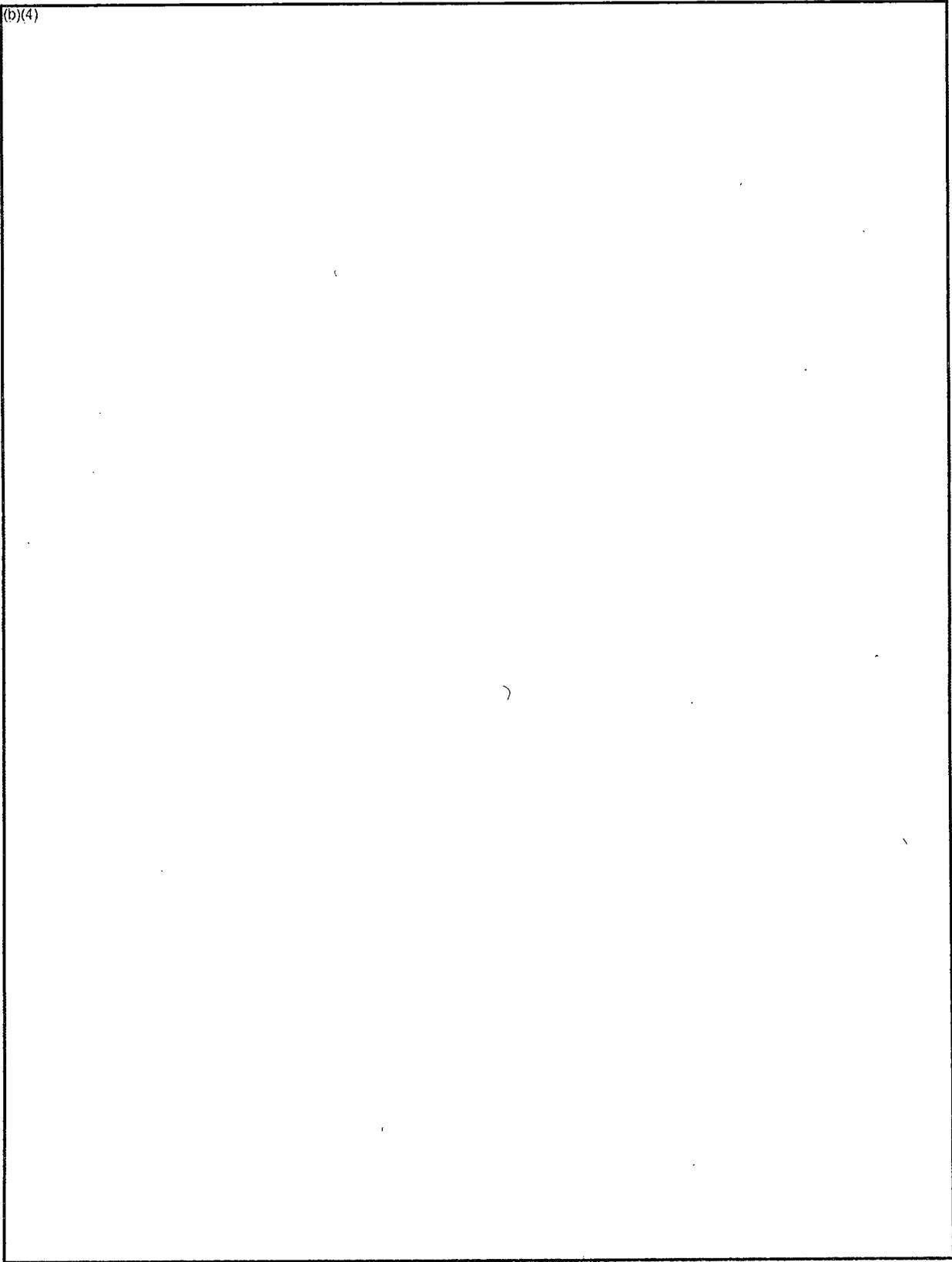
To eliminate confusion, please disregard the description of our labeling using paint.

- 3.2 See 3.1 and updated drawings XTRX3000\_NRC Rev.2 sheets 2 & 3 ATTACHMENT 4.

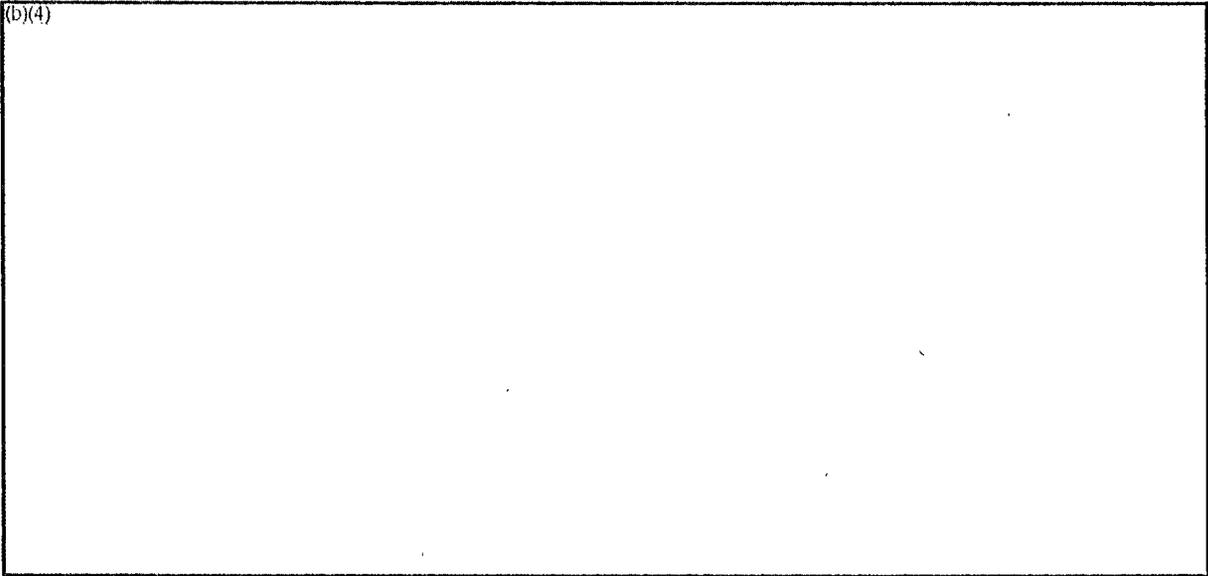
(b)(4)



(b)(4)



(b)(4)



5 pages withheld in their entirety  
exemption 4

TRIJICON™ TRIPOWER™ TACTICAL SIGHT  
OPERATORS MANUAL



Aug 2002  
US and Foreign Patents Pending

Revision 1  
9/30/02

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Revision 1 9/30/02

**WARNING**

Ensure the firearm is unloaded and the selector is in the "Safe" position before attempting to install, remove, or perform maintenance on the sight

**WARNING**



**RADIOACTIVE MATERIALS RADIATION HAZARD**

See page 10 for more details

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DESCRIPTION

Introduction

The Trijicon TriPower<sup>®</sup> Tactical Sight is a break through in close combat (0-500meter) fire control for small arms such as handguns, long guns, sub-machine-guns, and assault rifles. The TriPower is a compact, sealed, non-magnifying reflex sight. Reflex sights use a reflective lens system and a projected aiming reticle to establish an optical axis that remains aligned to the zero of the firearm at any angle from which the reticle is viewed. Traditional iron sights or telescopic sights require a consistent focus and the aiming point remaining centered to accurately engage targets. The TriPower will accurately engage targets with the reticle anywhere in the large field of view giving the operator the advantage of extremely fast and accurate target engagement during day and in low light such as dusk and dawn.

Extensive military testing with reflex sights has revealed shortcomings in other designs that the TriPower was specifically designed to eliminate. Harsh environmental conditions can introduce dust or moisture into other sights and can interfere with the optic or electronic components. Reflex sights require a reliable power source to project the reticle on a reflective lens. They also require an illuminated reticle that is bright enough to catch the eye and show distinctly on the target or background but not so bright as to distort the reticle and obscure the target. The reticle must be instantly available any time. Units powered solely by electricity must remain in the "on" position requiring a continuous supply of batteries or risk being caught off guard without a reticle. These electronic reticles are a reflection of the filament in the diode and have to be turned on to produce a reticle. Reflex sights such as the Trijicon Reflex II that illuminate the reticle with available light during daylight and long life radioactive tritium at night are not subject to battery or electronic failures and are always "on". However, under a certain narrow set of lighting conditions the reticle can washout and be difficult to acquire quickly.

The TriPower is a compact, lightweight, rugged unit designed with a sealed optical and illumination system. The TriPower is a triple-illuminated, fail-safe firearms sighting system that provides a fully illuminated red chevron reticle for both rapid and precise aiming that's easy to see under virtually any lighting conditions including partial or total darkness.

**Integrated Fiber Optic/Tritium System.** The TriPower is an ultra-reliable system that automatically adjusts the brightness level of the reticle to the ambient light conditions through the fiber optic system. A tritium lamp provides a vivid, distinct aiming point even in total darkness and is independent of any battery failures. The tritium lamp is guaranteed for up to 15 years. Trijicon pioneered this combat proven system in its Reflex Sights and Advance Combat Optical Gunsights (ACOG).

**On-Call Battery Back-Up.** This innovative battery system provides a supplemental light source. It is ideal for tactical entry/close quarter scenarios in urban or underground facilities as well as other special situations in which the need for a bright reticle in low light is critical, immediate and uncompromising. The system includes

- Digital circuitry designed for extreme conditions.
- "Low Battery" indicator warns when turned on if battery is low.
- Easy to use tactile push-button brightness adjustments.
- Automatic shut-off after two hours to conserve battery.
- Multiple brightness settings (14 day / 6 night vision).
- Memory returns to the previous brightness setting.

**Chevron Reticle** The large, clear, and bright chevron shaped reticle allows instinctively fast engagement for firing at close target, moving targets, and firing while moving, and the chevron reticle provides the precise aiming of a crosshair and the speed of a dot. The outer edges of the base are the width of a standard military silhouette at 100 meters. The inside edges of the base are the width a standard military silhouette at 200 meters.

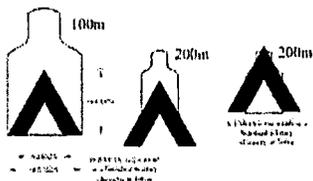


Figure 1 Chevron Reticle

**Options Available:**

- killFlash<sup>®</sup> Anti-Reflection Device for TriPower (TX22)
- ARMS mount available separately with low, medium, or high rail grabber base for mounting on current military style firearms.
- Night vision adapter compatible version.
- Q-Plate coated extremely scratch resistant lens

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CHARACTERISTICS AND SPECIFICATIONS:

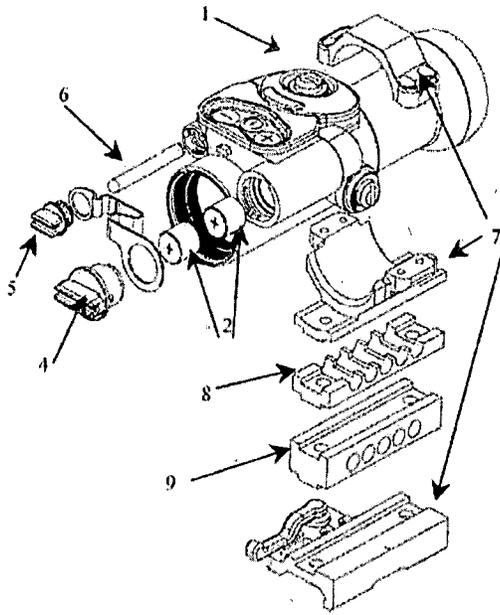
Length = 133.0 mm (5.24")      Width = 56 mm (2.2")  
Height = 53 mm (2.1")      Weight = 132 grams (4.7 oz.)  
Water-resistant to 30m (100ft)      Weight = Mount 106 grams (8.4oz)  
Batteries = 2 CR 1/3N lithium 3V      Battery Life = 10-110 hours  
Tritium Lamp Life = 15 years      Tritium source = 0.1 curies  
Reticle = Red Chevron 4.27 mils (14.4 Minutes of Angle) tall and 4.92 mils (16.6 Minutes of Angle) wide at the base (width of a man at 100 meters).



COMPONENTS

Figure 2 TriPower Tactical Sight

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Item	Part #	Description
1	TX30	TriPower Sight
2	TRX3C02-1	Battery 1/3 N
3	TRX3110-1	Fiber Optic Cover
4	TRX3152-1	Battery Cap with O-ring
5	TRX3153-1	Cyalume <sup>®</sup> Cap with O-ring
6	TRX3C05-1	Cyalume <sup>®</sup> chemical light stick 1 1/2inches NSN 6260 01 209 4435
7	TX10	ARMS <sup>®</sup> Mount
8	TX11	ARMS <sup>®</sup> Medium Insert (optional)
9	TX12	ARMS <sup>®</sup> Tall Insert (optional)

Figure 3 TriPower Parts List

Firearm	Mount	Manufacturer	Trijicon Model #
M16/M4	Rail Mount	ARMS <sup>®</sup>	TX10
M16/M4	Handle Mount	ARMS <sup>®</sup>	TX13

Figure 4 Mounts

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**SAFETY**

**WARNING**

Ensure the firearm is unloaded and the selector is in the "Safe" position before attempting to install, remove, or perform maintenance on the sight

**WARNING**



**RADIOACTIVE MATERIALS RADIATION HAZARD**

The TriPower Tactical Sight contains radioactive material for nighttime illumination. The radiation source is Hydrogen-3, commonly known as tritium. Tritium is a naturally occurring, odorless, tasteless, colorless gas that reacts with the human body in the same manner as natural hydrogen. The body does not easily retain hydrogen or tritium as a gas. However, the oxide, HTO, which is formed by the burning of tritium, is 10,000 times more hazardous. For this reason great care should be taken to avoid flame in the presence of the TriPower Tactical Sight with a tritium lamp which is broken or is suspected of leaking.

If the tritium lamp in a TriPower Tactical Sight is broken or is suspected of being broken, place the unit in a sealed plastic bag and contact Trijicon, Inc. for handling and return instructions.

After contact with a unit containing a broken lamp, a person should wash his/her hands carefully with soap and water. Do not handle such a defective sight if you have open skin cuts or abrasions. Work with a defective unit only in a well-ventilated area and avoid inhaling air near the unit.

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Do not eat, drink, smoke or apply cosmetics in the presence of such a defective unit.

The manufacturer, Trijicon, Inc, is the only authorized repair facility for defective units. Contact Trijicon, Inc. for handling and return instructions.

**INSTALLATION**

**Inspection:** Before installing the TriPower Sight on the firearm, inspect the unit for any external damage. Check the tritium lamp for failure by covering the front lens and fiber optic collector in a darkened room and look in the eyepiece. It is important to let your eyes adjust to the darkness before trying to see the tritium. If the reticle is not visible, the tritium lamp might have failed. Please contact Trijicon, Inc.

**Mounting the TriPower Sight:** The TriPower Sight is easily attached to a variety of firearms using one of the available mounts listed on page 9. It can also be mounted using almost any 30mm ring that has the correct height above bore for proper clearance required by the firearm. A heavy style 30mm mount for Weaver rails is provided with the TriPower unit. If it should be necessary to remove one adapter and re-attach the TriPower Sight to another adapter, please refer to the manufacturers' Assembly/Disassembly instructions provided with the mounts.



Figure 5 30mm Ring mount provided with TriPower

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**Commercial Ring Mounting:** Select a good quality, heavy-duty 30mm-scope ring and base to fit your firearm. The combination of rings and bases should elevate the center of the TriPower to a height that is at eye level when the firearm is shouldered in a natural, comfortable shooting position. If the firearm has iron sights, the reticle should sit slightly above the front sight when in the center of the field of view.

Install the sight on the firearm according to the manufacturer's directions. Ensure the firearm is held without canting and rotate the sight within the ring until the chevron reticle is pointed at the 12 o'clock position. Then evenly tighten the screws to firmly hold the TriPower.

**Military Mounts:** Current U.S. military type small arms come with or have MilStd M1913 rail mounting adapters available. The ARMS<sup>®</sup> adapter with the high spacer 30mm Throw Lever Flat Top Rail Adapter listed as Trijicon TX10 & TX12 are used to mount the TriPower on weapons with Mil Std M1913 (Picatinny) railed receivers. This mount can be used with "Weaver type" rails. However, the M1913 based mounts have cross bars that are wider and project further than those designed for "Weaver rails". The recoil notch in the "Weaver type" rails can be widened and deepened to accommodate the M1913 type rail grabber. Install the ARMS<sup>®</sup> Rail Adapter on a M1913 rail equipped weapon by swinging the locking lever out 90° to open the jaws. Mounting on flat top railed M16/M4/AR-15 type receivers requires the tall spacer between base and ring to have reticle clear front sight. Hook one side of the rail grabber over the rail and align the cross bar with one of the recoil notches in the rail and rotate the mount down. Ensure the cross bar is fully seated in the notch and the base of the mount is flush and flat against the top of the rail. Push down and forward on the mount while rotating the locking lever to the closed and locked position. Install the TriPower in the mount with the upper ring and lightly snug the screws down evenly. Hold the weapon upright without a cant and rotate the TriPower in the ring until the chevron reticle is pointed to the 12 o'clock position, then evenly tighten the screws.

Do not over tighten the screws. Apply thread-lock to threads of screw if there is concern about loosening of the screws.

M16, M4 Carbine, and AR-15 variants with carrying handles can use handle top or cantilevered adapters for 30mm rings or the Trijicon TX13 mount. The cantilevered adapters mount the TriPower in front of the carrying handle at a height that maintains the natural shooting position with M4/M16 style rifles and allows the use of the iron sights through the optic. Mounts that stack on top of the carrying handle tend to mount the optic too high and can interfere with a steady, fast, natural shooting position.

#### OPERATION

The TriPower is a reflex sight. The chevron aiming reticle is projected on a reflective coating on the backside of the front lens. The lens is parallax corrected and establishes an optical axis aligned with the bore. The coil of fiber collects and concentrates ambient light and transmits it to the objective lens. The coil's position on top of the sight allows it to adjust the brightness of the reticle to accommodate a wide variety of lighting conditions in the target area. A rubber cover for the fiber optic collector is provided for blocking out the ambient light. Raise the retaining band and fold the rubber cover back under the band to hold it out of the way. The TriPower is also equipped with a tritium lamp that lights the reticle in the dark, allowing the operator to engage muzzle flashes at night or by flare light. The tritium provides a vivid, distinct aiming point that continuously glows for 15 years or more. The On Call Battery or Cyalume<sup>®</sup> supplemental light sources are used when aiming from a dark or shaded area into a bright area or entering a dimly lit room or dark room with a flashlight. However, in 90% of the situations the fiber optic tritium lamp system is sufficient.

One set (2) of 1/3 N lithium batteries will last for approximately 110 hours of continuous use on the lowest daytime setting (#7) and about 10 hours of continuous use on the highest setting (#20). The batteries have a 10 year shelf life.

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**Figure 6 Fiber Optic Rubber Cover Folded Under Retaining Band**

Any electrical device with wires, switches, diodes, or batteries is subject to failure. The fiber optic and tritium are the primary light sources and will continue to function even if the battery system fails.

**Installing Batteries:** The twist lock battery cap is located on the top rear of the sight. See Figure 3. Twist the cap counter clockwise approximate one quarter turn to unlock and pull to remove. Install two 1/3 N batteries in tandem with the positive (+) side to the rear (facing out). Use the plastic wrapper on the batteries to avoid touching the battery with bare fingers since this may cause the batteries to corrode. Insert the cap and twist clockwise until fully locked. When the cap is off, the unit is still sealed. However, avoid getting sand or dirt in the battery compartment or on the O-rings.

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**Installing Cyalume<sup>®</sup>:** Remove the small cap on top rear of sight by twisting counter clockwise and pulling. Remove Cyalume<sup>®</sup> chemical light stick from wrapper, bend until the inner glass tube breaks to activate. Slide the Cyalume stick in and replace cap by pushing in and twisting clockwise. When the cap is off, the unit is still sealed. However, avoid getting sand or dirt in the Cyalume compartment or on the O-rings.

**Battery Back-up Controls:** A hermetically and environmentally sealed pressure pad on the top rear of the sight controls the battery power system. To turn the battery power ON press the increase (+), decrease (-) or on/off sections of the pad. If the unit has been off for more than 2 minutes, press any button twice to turn back on. Press the on/off portion of the pad to turn off. To adjust brightness press (+) for brighter and (-) for a dimmer. The reticle will blink as it is being adjusted until it reaches the maximum setting at 20 or the minimum at 1 where it stays on steady without blinking. The brightness setting is retained and it will automatically return to the last setting whenever the sight is turned on. Removing the batteries will require resetting the brightness. The sight comes on at the lowest daytime brightness, level #6. Settings #1- #6 are for use with night vision equipment and #7- #20 for daytime operation.

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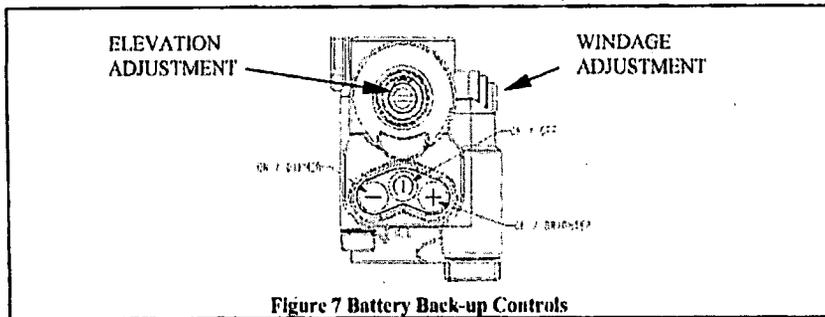


Figure 7 Battery Back-up Controls

**Automatic Shut-off.** The battery power automatically shuts off after two hours of operation to conserve batteries. The TriPower also has a sleep mode after 2 minute of non-use. Touching the pad twice returns power to reticle at the last setting.

**Low Battery Indicator.** When the batteries are low the reticle will flash 10 times when the unit is turned on. The sight will operate at the maximum brightness for approximately one hour of continuous operation after the first low battery indication. When the batteries are replaced with fresh ones, the reticle will cease to flash.

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**ZEROING:**

Zeroing the TriPower to the firearm is accomplished by using the sealed windage and elevation adjusters to move the shot group to the desired point of impact. These adjusters are environmentally sealed and do not require covers to maintain zero nor to protect the internal workings.

A flat screwdriver, coin, or rim of a cartridge case can be used to make adjustments. Turn the elevation adjuster counter-clockwise to move the shot group up. Turn the windage adjuster counter-clockwise to move the shot group to the right. **Remember: counter clockwise equals right and up.** Each click of the adjuster will move the point of aim approximately 1 cm. at 100m, 2 cm at 200 m, 3cm at 300m, or .25 cm at 25 m.

The optimum zero depends on the type of firearm, caliber, muzzle velocity, bullet shape and weight and the height of the reticle above the bore. The TriPower can be mounted to enhance the effectiveness of a wide variety of small arms from pistols to heavy machine guns. This manual will provide general zeroing techniques that will be effective with any firearm, plus specialized zero techniques for common military style firearms.

**General Zero:** Securely mount the TriPower sight and adjust the reticle to provide a distinct aiming point on the target at the most distant range that you expect to engage targets. Use a steady shooting position and fire a 3 shot group. Measure the distance up/down/right/left of point of aim in centimeters. Divide the range to the target by 100 to determine the number of centimeters the shot will move per click. A 200 m target  $200/100 = 2$  cm per click. Divide the centimeters per click into the distance of the group from center of the target up/down/right/left to determine the number of clicks. If the shot group was 10 cm low and 8 cm. right at 200 meters the correction would be up 5 clicks (counterclockwise) and left 4 clicks (clockwise). Fire another group to confirm and make further adjustments, if necessary. This zero technique is difficult at longer ranges, where steady hold, wind, etc. makes it difficult and time consuming to zero.

**CAUTION**

The TriPower Sight's windage and elevation adjusters have stops at the extremes of adjustment. If adjustment screws become difficult to turn, their limits are being approached. Do not continue to adjust or damage might result. Adjustments beyond the center of the range should not be necessary if the scope is properly installed on a serviceable firearm.

**Military Zero**

Military firearms use standard firearms ammunition and mounts so a short range zero can be calculated that provides a longer-range battlesight zero. Military zeros can be established as an offset and a standard range. The offset zero of 1 cm low at 25 meters will provide a 300 m battle sight zero. Adjusting the shot group to strike 1 cm below the point of aim at 25 m results in a point of aim equaling the point of impact at 28 meters and again at 300m.

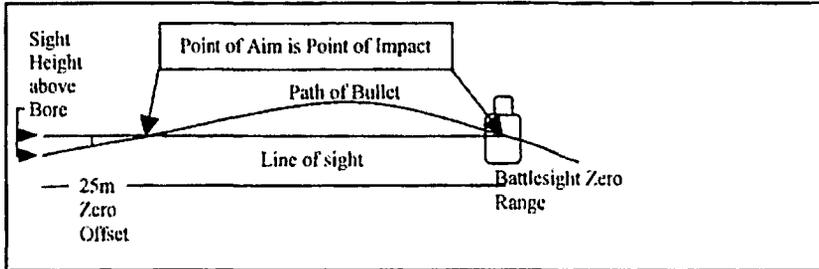


Figure 8 Bullet Path Compared to Line of Sight and Zero

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ENGAGEMENT TECHNIQUES:

The TriPower can be used much like a traditional scope by closing one eye. Acquiring a target and aiming through the sight. This method fails to exploit the TriPower Sight's ability to enhance situational awareness and speed of engagement. Shooting with both eyes open allows the shooter a wider field of view and the ability to detect targets on the periphery. Looking at the target with the non-shooting eye will allow the shooter to rapidly swing the firearm and bring the reticle to a stop on the target. This is faster than raising the firearm and searching for the target through the sight tube.

From a military perspective, shooting with both eyes open enhances the use of automatic rifle and machine gun fire. The shooter can maintain a clear image of the target with the non-shooting eye while the shooting eye can see the reticle as the gun cycles. Observing the vibration of the reticle over the target shows the distribution of the burst. Controlling the reticle as the automatic firearm cycles controls the impact of the burst. The gunner can concentrate the fire by holding the reticle on target or distribute fire. The gunner aims at one side of the target and fires a 6 round burst. He can see his initial aiming point and where the reticle came to rest when the burst ended. He knows he distributed 6 rounds between those two points. He can then reengage if more hits are required or distribute fire over another section of the target.

The fluorescent fiber will instantly respond to changes in light in the target area and change the reticle brightness to maintain a sharp aiming contrast. The fluorescent fiber optic responds even to low light at dawn and dusk. Even with no visible light source, the reticle is still visible because the tritium illumination enables the shooter to engage enemy muzzle flashes. This results in a well-defined, hard-edged, and clearly visible aiming point in day, night and artificial light conditions.

In confined spaces such as jungle, thick brush, buildings, ships, fortifications, etc., the ranges often shorten to 1-15 meters. At these ranges, speed and lethality are the keys to survival. Lethality comes from being able to lock onto vital areas and achieve multiple hits quickly. The Battery Back-up is used to establish a bright eye catching reticle for rapid and accurate aiming for firing at close targets while moving or firing at moving targets with both speed and accuracy in marginal lighting conditions.

**Night Operations** The TriPower (TX30) can be used with the head-mounted AN/PVS-14 or similar night vision pocketscopes. The pocketscope is mounted in front of the nonshooting eye. This allows the operator to move and operate effectively at night in the presence of ambient light sources like streetlights or flares, or in starlight alone. When engaging a target the shooting eye will see the aiming reticle and any ambient light through the sight, and the non-shooting eye will see the scene in the image intensifier. The brain will combine the two images for a rapid, accurate shot. However, looking through the TriPower (TX30) with night vision goggles or mounting a pocketscope or other night vision adapter behind the sight will result in distortion around the reticle from the tritium lamp. The TriPower without tritium (TX30N1) sight is compatible with current issue night vision goggles and pocket scopes. Without the tritium lamp the night settings on the battery backup can be used to adjust the brightness of the reticle so distortion does not obscure the reticle. The sight is mounted forward on the receiver or top M1913 rail (the sight body will ghost out but the reticle will be clear for aiming). The AN/PVS-14 Pocketscope is mounted to the rail with the Universal Pocketscope Mount or similar mount behind the sight. The TriPower with Adjustable Tritium (TX30AT) model is compatible with night vision goggles and adapters. A rubber cover is provided to prevent light being emitted from the fiber optic collector when battery power is used at night. The TriPower provides a low signature passive method of aiming at night with night vision devices.

**NOTE**

Close and moving targets are best engaged with both eyes open which is faster and allows for better balance and awareness than single eye aiming. This also applies to shooting while moving. However, if you zero your sight using one eye then you should engage long range targets with one eye as well.

**MAINTENANCE**

**WARNING**

The sight must not be disassembled. The tritium could be released if tampered with by unauthorized personnel. Due to the radioactive material contained in the TriPower Sight, repairs are prohibited by anyone except Trijicon Inc.,

**Care and Cleaning:** The sight requires very little maintenance. If the lens or fiber optic cover becomes dirty, rinse it using fresh water. Shake or blow out excess water and dry the lens with a clean cloth. Be careful to rinse all particles from the lens fully before wiping it with the cloth. The remaining dirt could scratch the lens.

Cleaning should be done whenever the sight becomes dirty or after exposure to salt water. To clean the lens, wipe using a soft cloth with clean water, alcohol, or general purpose window cleaner.

**CAUTION**

Avoid getting cleaning solvents and insect repellents on the TriPower Sight which can damage its fiber optic. Never submerge the sight in any liquid but water. If the sight is directly exposed to chemicals, rinse it with plenty of fresh water. The sight should typically be removed for detailed firearm cleaning.

When operation is necessary in a dusty or sandy area, keep the dust cover over the sight unless it is in actual use. Avoid pointing the sight into the wind. This will help to prevent dust and sand from pitting or scratching the objective lens. Clean both sides of the lens frequently with a clean soft cloth and fresh water if available. After salt water immersion, optic should be cleaned/rinsed with fresh water.

**Operator Maintenance:** Maintenance is limited to inspection and replacements of repair parts listed in Figure 4. All repair parts can be installed at the operator or unit level. Special tools or equipment are not required for maintaining the TriPower Sight. Units requiring further repairs are to be returned to Trijicon.

Revision 1 9/30/02

**WARRANTY**  
**Limited Life Time Warranty**

The original registered owner of the Trijicon product is entitled to repair or replacement (at our option) of the sight if it should fail due to defects in material or workmanship during normal use. This warranty specifically applies to the optical system. The tritium lamps in this product are warranted to glow for fifteen years from the date of original manufacture. If repair is necessary, please contact our Customer Service Department at the numbers below for return instructions. This warranty does not apply to defects caused by anything that is deemed abnormal, abusive, or improper, including any fault resulting from an accident or improper service. Trijicon TriPower Sights contain tritium and are regulated by the Nuclear Regulatory Commission. They may not be disassembled by anyone other than Trijicon Inc, which holds the necessary licenses. Any attempt at disassembly or repair will annul this warranty. This warranty gives you specific legal rights, and you may also have rights that vary state to state. Contact TRIJICON, INC for warranty service instructions.

**TRIJICON, INC**  
49385 Shafer Ave. - P.O. Box 930059 - Wixom, MI 48393  
1-800-338-0563  
Phone (248) 960-7700 - Fax (248) 960-7725  
Email: [info@trijicon.com](mailto:info@trijicon.com) [www.trijicon.com](http://www.trijicon.com)

7 pages withheld in their entirety  
exemption 4


**GE Plastics**
**ULTEM® 1000R**

Design Solution Center &gt;&gt; Design Tools &gt;&gt; Datasheets

**North America: Commercial**

PEI resin

**Properties**
**MECHANICAL**

Property	Typical Data	Unit	Method
Tensile Str, yld, Type I, 0.2 in/min	16000	psi	ASTM D 638
Tensile Elong, yld, Type I, 0.2 in/min	7.0	%	ASTM D 638
Tensile Elong, brk, Type I, 0.2 in/min	60.0	%	ASTM D 638
Tensile Modulus, 0.2 in/min	520000	psi	ASTM D 638
Flex Stress, yld, 0.10 in/min, 4" span	24000	psi	ASTM D 790
Flex Mod, 0.10 in/min, 4" span	510000	psi	ASTM D 790
Hardness, Rockwell M	109	-	ASTM D 785

**ULTEM® 2400**

Design Solution Center &gt;&gt; Design Tools &gt;&gt; Datasheets

**North America: Commercial**

40% glass reinforced PEI resin version of ULTEM 1000 with very high stiffness and dimensional stability.

**Properties**
**MECHANICAL**

Property	Typical Data	Unit	Method
Tensile Str, brk, Type I, 0.2 in/min	26000	psi	ASTM D 638
Tensile Elong, brk, Type I, 0.2 in/min	2.5	%	ASTM D 638
Tensile Modulus, 0.2 in/min	1700000	psi	ASTM D 638
Flex Stress, brk, 0.10 in/min, 4" span	35000	psi	ASTM D 790
Flex Mod, 0.10 in/min, 4" span	1700000	psi	ASTM D 790
Hardness, Rockwell M	114	-	ASTM D 785

ATTACHMENT 11 Revision 0 9/30/02

PCB board MATERIAL FR4

YOUNG_MODULUS	=	3.000011E+06
POISSON_RATIO	=	1.180000E-01
SHEAR_MODULUS	=	1.341687E+06
MASS_DENSITY	=	2.590079E-06

6 pages withheld in their entirety  
exemption 4

## AFFIDAVIT

I, Stephen G. Bindon, being sworn, depose and say as follows:

1. I am President of Trijicon, Inc. (the "Corporation"). In my capacity as such, I am authorized to execute this Affidavit on behalf of the Corporation and have reviewed the Information set forth in Section 2.

2. I execute this Affidavit pursuant to 10 CFR 2.790 and request that the following be withheld in whole from public disclosure (collectively, the "Information"):

- (a) all drawings, pictures, photographs and information submitted to the U.S. Nuclear Regulatory Commission (the "Commission") in connection with the amendment to License # 21-19874-02E for the Trijicon Model TX\*\* Series gun sight; and
- (b) XTRX3000\_NRC, including all sheets and revisions.

3. The Information contains trade secrets or privileged or confidential commercial or financial information, and such Information:

- (a) has been held in confidence by the Corporation;
- (b) is of the type that is customarily and rationally held in confidence by the Corporation;
- (c) was transmitted to and, to my knowledge, received by the Commission in confidence;
- (d) is not available in public sources; and
- (e) is of the type and nature that, if disclosed publicly, is likely to cause substantial harm to the competitive position of the Corporation.

**[remainder of page left intentionally blank]**

IN WITNESS WHEREOF, I have executed this Affidavit on September 25, 2002.

Stephen G. Bindon  
Stephen G. Bindon  
President

STATE OF MICHIGAN            )  
  ) ss.  
COUNTY OF OAKLAND        )

The foregoing instrument was acknowledged before me this 25 day of September, 2002,  
by Jan Wilk.

Susan M. Belanger  
Notary Public, \_\_\_\_\_ County, Oakland MI  
My Commission Expires: 6/7/03

**SUSAN M. BELANGER**  
Notary Public, Oakland County, MI  
My Commission Expires June 7, 2003