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> Crimson Trace RAD Open Reflex Pistol Sight with Auto Shutoff and Textured Sides for Full Size Handguns, Defensive Shooting and Competition CT RAD Green User Manual

Crimson Trace 01-01890

Crimson Trace RAD Open Reflex Pistol Sight

USER MANUAL - CT RAD GREEN

1. Introduction

The Crimson Trace RAD (Rapid Aiming Dot) Open Reflex Pistol Sight is designed to provide rapid target acquisition and enhanced accuracy for full-size handguns. Featuring a 5 MOA green dot reticle, automatic shutoff, and durable aerospace-grade aluminum construction, this sight is suitable for defensive shooting and competition use.

This manual provides essential information for the safe and effective use, installation, and maintenance of your CT RAD Green sight. Please read it thoroughly before operating the device.

2. Safety Information

WARNING: Always follow proper firearm safety rules. Ensure the firearm is unloaded and pointed in a safe direction before handling or installing the sight. Always wear appropriate eye and ear protection when shooting.

- Do not look directly into the laser emitter.
- Keep out of reach of children.
- Ensure the sight is securely mounted before use.
- Verify zero before relying on the sight for critical applications.

3. Package Contents

Your Crimson Trace RAD Open Reflex Pistol Sight package should include the following:

- Crimson Trace RAD Open Reflex Pistol Sight (CT RAD Green)
- 1 CR1632 Battery (pre-installed or included separately)
- Product Manual (this document)

4. Product Overview

The CT RAD Green sight features a compact and robust design, optimized for handgun use. Key components include the optic lens, emitter, windage and elevation adjustment screws, and control buttons.



Figure 4.1: Front view of the Crimson Trace RAD Open Reflex Pistol Sight.



Figure 4.2: Angled view of the sight, showing the green dot reticle.



Figure 4.3: The sight shown with its included protective cover.

5. Setup and Installation

5.1 Battery Installation

The CT RAD Green sight operates on one CR1632 battery, providing up to 7,000 hours of runtime. The battery compartment is typically located on the side or top of the sight. Use a small coin or screwdriver to open the battery cap, insert the CR1632 battery with the positive (+) side facing up, and securely close the cap.

5.2 Mounting the Sight

The CT RAD Green is compatible with the Docter Footprint and designed for Picatinny Mount systems. Ensure your handgun slide is milled or has an adapter plate compatible with the Docter Footprint.

1. Ensure the firearm is unloaded and safe.
2. Align the sight with the mounting plate or milled slide.
3. Insert the mounting screws (typically included with your firearm's mounting plate or the sight) and tighten them evenly to the manufacturer's specified torque settings. Do not overtighten.
4. Verify the sight is securely attached and does not wobble.



Figure 5.1: Side view of the CT RAD sight properly mounted on a handgun.



Figure 5.2: Top view of the CT RAD sight mounted on a handgun, showing its low profile.

5.3 Zeroing the Sight (Windage and Elevation)

After mounting, the sight must be zeroed to your firearm. This process adjusts the point of impact to match your point of aim.

- **Windage Adjustment:** The windage adjustment screw is typically located on the right side of the sight. Turning the screw clockwise or counter-clockwise will move the point of impact left or right.
- **Elevation Adjustment:** The elevation adjustment screw is typically located on the top of the sight. Turning the screw clockwise or counter-clockwise will move the point of impact up or down.

Make small adjustments and fire test shots at a known distance until the point of aim and point of impact coincide. Refer to the sight's markings for direction of adjustment (e.g., 'U' for Up, 'R' for Right).

6. Operating Instructions

6.1 Power ON/OFF

The CT RAD Green sight features both manual ON/OFF and an automatic shutoff function.

- **Manual ON:** Press and hold the brightness adjustment button (usually marked with '+' or '-') for a few seconds to turn the sight on.
- **Manual OFF:** Press and hold the brightness adjustment button again for a few seconds to turn the sight off.
- **Auto Shutoff:** The sight is equipped with an auto shutoff feature that conserves battery life by powering down after a period of inactivity. It will automatically reactivate upon motion.

6.2 Brightness Adjustment

Use the '+' and '-' buttons on the side of the sight to cycle through the available brightness settings. Adjust the brightness to suit ambient light conditions for optimal visibility of the 5 MOA green dot reticle.



Figure 6.1: User's perspective when aiming with the CT RAD sight.

6.3 Integrated Co-Witness Sight

The CT RAD Green sight includes an integrated co-witness sight, allowing for simultaneous use of the red dot and your firearm's iron sights. This provides an additional aiming reference and backup in case of battery failure.

7. Maintenance

7.1 Cleaning

To maintain optimal performance, keep the optic lens clean. Use a soft, lint-free cloth and lens cleaning solution specifically designed for optics. Avoid abrasive materials or harsh chemicals that could damage the lens coatings or sight body.

7.2 Battery Replacement

Replace the CR1632 battery when the dot becomes dim or fails to illuminate. Follow the battery installation steps outlined in Section 5.1.

7.3 Storage

When not in use, store the sight in a cool, dry place. The included protective cover can be used to shield the optic lens from dust and scratches.

The sight is constructed from aerospace-grade aluminum and is IPX7 water resistant, providing robust protection against environmental elements.

8. Troubleshooting

Problem	Possible Cause	Solution
Dot does not appear	Battery dead or incorrectly installed; Sight is off; Auto shutoff engaged.	Replace battery, ensuring correct polarity. Manually turn on the sight. Move the sight to activate auto-on.
Dot is dim or flickers	Low battery; Lens is dirty.	Replace battery. Clean the optic lens.
Inaccurate aiming	Sight not zeroed; Sight loose on mount.	Re-zero the sight. Check mounting screws and tighten if necessary.
Dot appears distorted or blurry	Dirty lens; Astigmatism (user's eye condition).	Clean the optic lens. If distortion persists, consult an optometrist.

9. Specifications

Feature	Specification
Model Name	01-01890
Dimensions (L x W x H)	1.81" x 1.13" x 1"
Weight	1 Ounce
Reticle Type	5 MOA Green Dot
Battery Type	1 x CR1632
Battery Life	7,000 hours
Material	Aerospace Grade Aluminum
Water Resistance	IPX7
Mounting Type	Picatinny Mount (Docter Footprint compatible)
Compatible Devices	Handgun

10. Warranty and Support

This product is covered by the Crimson Trace Protect Limited Lifetime Warranty. For specific details regarding warranty coverage, claims, or technical support, please visit the official Crimson Trace website or contact their customer service department.

Warranty Description: 2 Year Manufacturer Warranty

Online Support: www.crimsontrace.com

