Crimson Trace 01-02030

Instruction Manual

Crimson Trace CTS-25 Compact Sight

Model: 01-02030

Introduction

The Crimson Trace CTS-25 Compact Sight is designed for rifles and long guns, featuring a 4 MOA LED red dot reticle and 1x magnification for rapid target acquisition. Its durable construction ensures reliability in various conditions, making it suitable for defense and competition use.



Figure 1: Front-side view of the Crimson Trace CTS-25 Compact Sight, showcasing its compact design and primary lens.

Setup

Mounting

The CTS-25 is equipped with a Picatinny mount for secure attachment to compatible firearms. Ensure the mount is properly aligned with the rail and tightened to the manufacturer's recommended specifications to prevent movement during use.

Battery Installation

The sight is powered by one (1) CR2032 battery, which is included. The side-accessible battery compartment allows for battery replacement without removing the sight from the firearm. To install or replace the battery:

1. Locate the battery compartment on the side of the sight.
2. Unscrew the battery cap counter-clockwise.
3. Insert the CR2032 battery with the positive (+) side facing outwards.
4. Securely screw the battery cap back into place, ensuring a tight seal.



Figure 2: View of the side-accessible battery compartment on the CTS-25, designed for easy battery replacement.

Operating Instructions

Power On/Off and Brightness Adjustment

The CTS-25 features large function buttons for easy brightness adjustments and power control. The red dot reticle has multiple brightness settings to adapt to various lighting conditions.

- To power on the sight, press either the '+' or '-' button.
- Press the '+' button to increase the red dot brightness.
- Press the '-' button to decrease the red dot brightness.
- To power off the sight, press and hold either the '+' or '-' button for approximately 3 seconds until the red dot extinguishes.



Figure 3: Top view of the CTS-25, highlighting the '+' and '-' buttons for power and brightness control.

Windage and Elevation Adjustment

The CTS-25 is fully adjustable for both windage (horizontal) and elevation (vertical). The adjustment screws are located on the top and right side of the sight body. These adjustments are made by removing the turret caps and using a small flathead screwdriver, a coin, or a cartridge case rim.

- **Elevation Adjustment (Top Turret):** Turn clockwise for down adjustments and counter-clockwise for up adjustments.
- **Windage Adjustment (Right Side Turret):** Turn clockwise for left adjustments and counter-clockwise for right adjustments.

Note: Adjustments to both the windage and elevation knobs reference your Point of Impact (POI). Should your impacts be below your point of aim, dial UP to reach Zero.



Figure 4: Detailed diagram illustrating the direction of turns for windage and elevation adjustments and their effect on the point of impact.

Maintenance

To ensure the longevity and optimal performance of your Crimson Trace CTS-25 Compact Sight, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the lenses. For stubborn smudges, a lens cleaning solution designed for optics can be used sparingly. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the sight in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the lens caps are in place to protect the lenses from dust and scratches.
- **Battery Life:** The sight offers approximately 1 year of battery life with normal use. Replace the CR2032 battery annually or as needed to prevent unexpected power loss.
- **Durability:** The sight is designed to be shock, impact, fog, water, and vibration resistant. While robust, avoid unnecessary drops or impacts that could compromise its integrity.

Troubleshooting

Problem	Possible Cause	Solution
Red dot does not appear or is dim.	Low or dead battery; Battery not properly installed; Sight is off.	Replace the CR2032 battery; Ensure battery is inserted correctly with positive (+) side up; Press power button to turn on or adjust brightness.

Problem	Possible Cause	Solution
Red dot appears blurry or distorted.	Astigmatism (user's eye condition); Lens is dirty.	This may be due to individual astigmatism; Clean the lens thoroughly with a soft cloth.
Sight does not hold zero.	Mounting screws are loose; Improper installation; Excessive recoil.	Ensure mounting screws are tightened to specifications; Re-install the sight following proper procedures; Consider a different mounting solution if recoil is extreme.

Specifications

Brand	Crimson Trace
Model Name	01-02030
Reticle Type	4 MOA LED Red Dot
Magnification	1x
Lens Diameter	25 Millimeters
Material	6061 Series Aluminum
Dimensions (L x W x H)	2.7" x 2" x 2.7"
Weight	4.8 ounces
Battery Type	CR2032 (1)
Battery Life	1 year
Mounting Type	Picatinny Mount
Resistance	Shock, Impact, Fog, Water, Vibration

Warranty and Support

This product is covered by the Crimson Trace Protect Limited Lifetime Warranty. For questions or concerns regarding warranty, please visit the official Crimson Trace website or contact their customer support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question