Aimpoint®

COA™
User manual

SCAN NOW!

Your **COA** journey starts here

1 PRESENTATION

Aimpoint® red dot sights are designed for the ”two eyes open” method which greatly enhances situational awareness and target acquisition. Thanks to the optical design the red dot follows the movement of the user’s eye while remaining fixed on target, eliminating any need for centering.

1.1 Technical specification

Optical system

Magnification	1X
Eye relief	Unlimited
Reticle	3,5 MOA[1] dot
Reticle color	Red
NVD[2] compatible	Yes
Optical coating	Anti-reflex (AR) coating
Adjustments	1 click =
Windage:	30 mm at 100 m / 1 in at 100 yds / 1.0 MOA
Elevation:	20 mm at 100 m / 0.7 in at 100 yds / 0.7 MOA
Adjustment range (windage & elevation)	±1 m at 100 m ±1 yds at 100 yds
Dot intensity settings	12 settings manually adjusted with push-buttons. Setting 1-4 for use with NVD and setting 5-12 for use in daylight.

Power source

Battery type	CR2032 (3.0 V) Lithium
Battery life[3]	50,000 h (more than 5 years) at daylight setting 7.

Size (L × W × H)

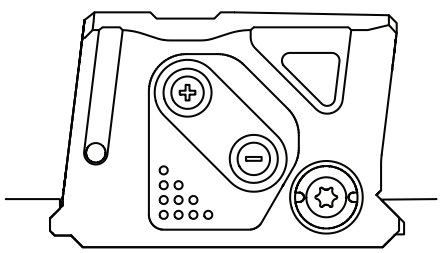
Sight	45 mm × 28 mm × 30 mm (1.8 in × 1.1 in × 1.2 in)

Weight

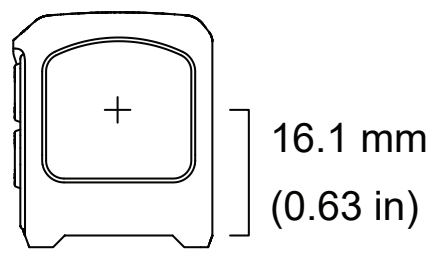
Sight (incl. battery)	48 g (1.7 oz)

Height of optical center

Sight with integrated A-CUT™ mount.



Top of pistol
to optical center



Bottom of sight
to optical center

Materials

Sight housing	High strength aluminum, black to dark gray, non-glare finish

Environmental specification

Temperature range (operation)	-45 °C to +73 °C (-49 °F to +163 °F)
Temperature range (storage)	-51 °C to +75 °C (-60 °F to +167 °F)
Submersible	25 m (82 ft)

1 MOA: Minute Of Angle, 1 MOA ≈ 30 mm at 100 m or ≈ 1” at 100 yds

2 NVD: Night Vision Device

3 Battery life: Values valid at room temperature for a quality battery

1.2 Overview

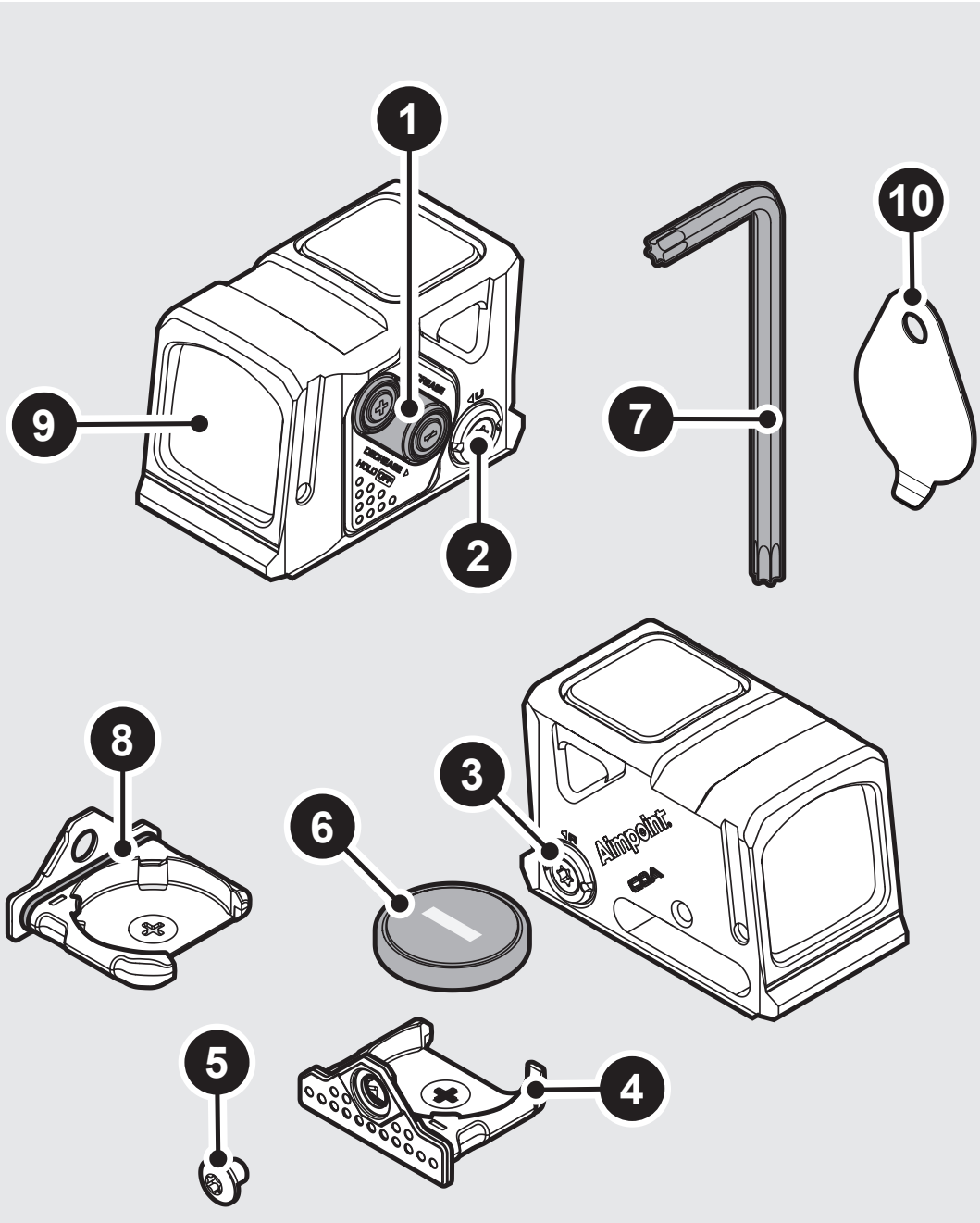


Fig. 1 Overview

1	Push-buttons	**6**	Battery (CR2032)
2	Elevation adjustment screw	**7**	Torx T10 tool
3	Windage adjustment screw	**8**	O-ring
4	Battery tray	**9**	Optical surfaces
5	Screw for battery tray	**10**	Battery tray tool

2 OPERATION

⚠ WARNING

Make sure the weapon is unloaded and that the chamber is empty before attempting to to install, remove or perform maintenance.

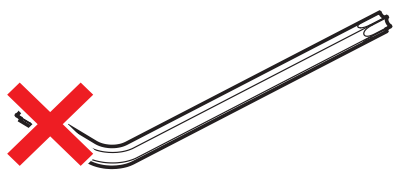
⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN.**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

- Your device is powered by button or coin cell batteries such as CR2032 with a nominal voltage of 3 volts. Please carefully read the separate instruction manual for each battery-powered device.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 70 °C / 158 °For incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

⚠ CAUTION

Never use the short end of the Torx T10 tool (7) for tightening screw for battery tray (5) or adjustment screws (2 and 3).



2.1 Install or replace battery

⚠ CAUTION
If the sight is wet or if in high humidity environment; avoid opening battery tray or ensure battery compartment is dry before inserting battery tray.

a Unscrew and remove the screw (5) for the battery tray (4) using the long end of the Torx T10 tool (7).

b Pull out the battery tray. Use the nail grip (1 / Fig. 2) on the side of the battery tray. When needed, use battery tray tool (10) to help open.

c If replacing battery, remove depleted battery from the battery tray.

⚠ CAUTION
Take care not to damage the battery, o-ring or the battery compartment. Do not use sharp tools (e.g. a knife) to remove the battery.

d Insert battery (6) with the negative pole (-) up (2 / Fig. 2). Only utilize Industrial Level Batteries or replace the battery after 5000 shots. Any type of battery should be replaced when the best-before date has been reached.

⚠ CAUTION
Check that the o-ring (8) on the battery tray (4) is in position and in good condition to ensure there is no water leakage into the battery compartment.

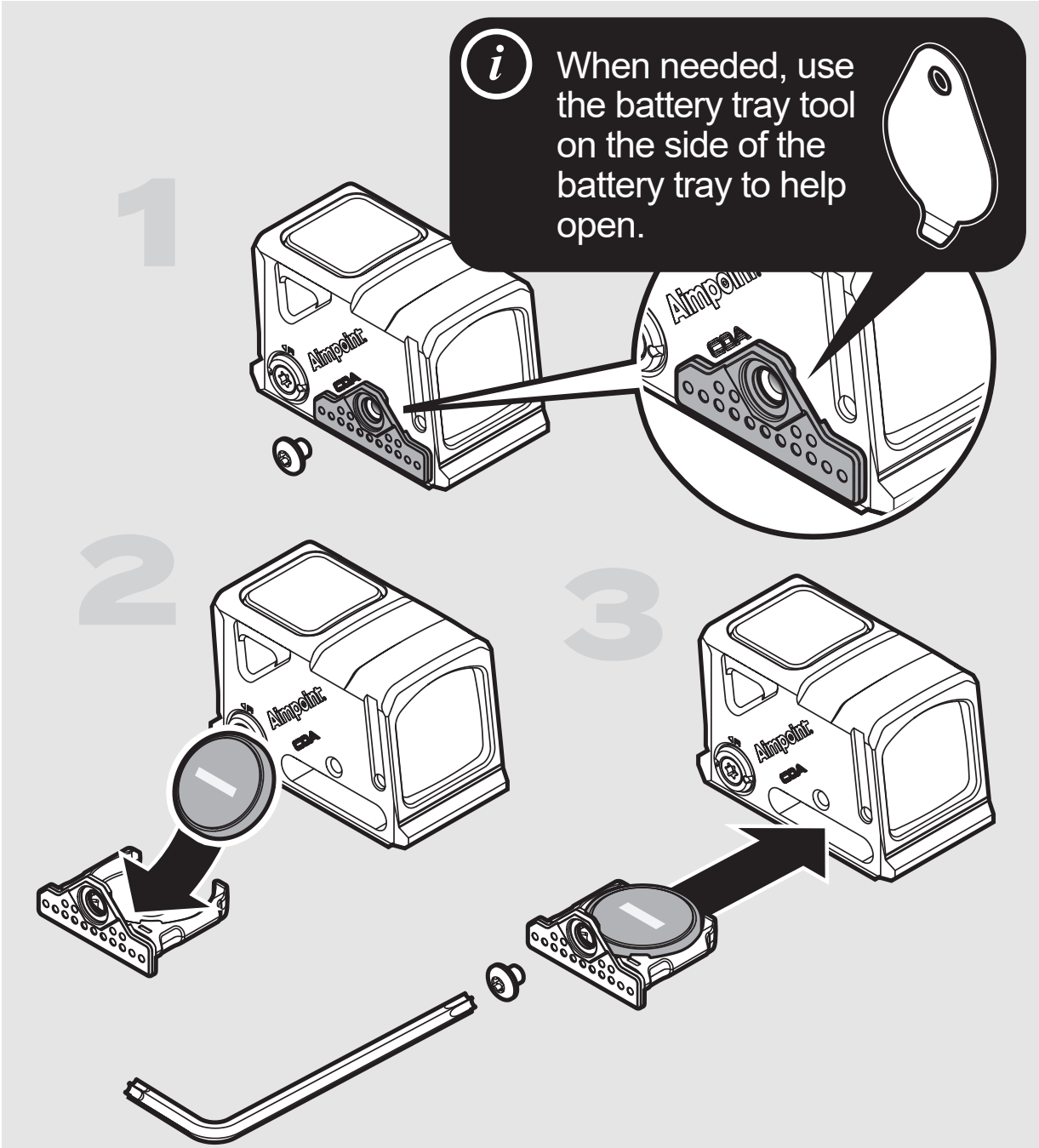


Fig. 2 Installing battery

e Slide the battery tray (4) in to the battery compartment (3 / Fig. 2). Be sure the battery tray is fully inserted and flush to the housing before tightening the battery screw (5). Tighten the screw with the **long end** of the tool (7) until the battery screw (5) is fully tightened (MAX. 1.0 Nm / 0.74 ft·lb).

⚠ CAUTION

Never tighten the Battery Tray Screw (5) with a toque above 1.0 Nm / 0.74 ft·lb.

⚠ CAUTION

Before tightening; check the screw (5) for the battery tray so that no sand, dust or dirt is stuck in the socket for the Torx T10.

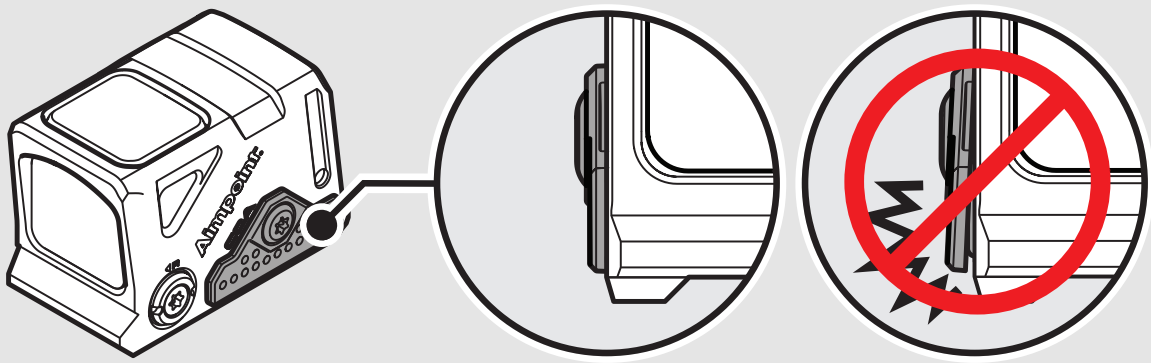


Fig. 3 Battery tray

⚠ CAUTION

If excessive resistance is felt while inserting battery tray; do not force battery tray in, instead check that the battery is correctly placed into tray (both lie flat and with minus (-) pole up).

⚠ NOTE

Do not overtighten the screw (5) for the battery tray.

⚠ NOTE

For long term storage of the sight, remove the battery.

2.2 Turn ON / OFF and adjust red dot intensity

- Press any of the push-buttons (1) ⊕ or ⊖ to turn the sight **ON**.
- Hold ⊖ for 1.5 seconds to turn the sight **OFF**.

⚠ NOTE
The sight will always turn **ON** at setting 8 of 12.

Unwanted Button Press Safety feature

This feature is to prevent accidental button presses from clothes/holsters or body when the pistol is carried.

When sight is on; the first button press activates the user interface. In active state the user can increase/decrease red dot intensity. The active state lasts for 4 seconds and resets for each button press.

- Press ⊕ or ⊖ to **activate the user interface.**
- Press ⊕ to increase red dot intensity.
- Press ⊖ to decrease red dot intensity.
- After 4 seconds the user interface is locked.

Auto Step Down feature

To save battery time the Auto Step Down feature decrease the dot intensity one step every 2 hours if no buttons have been pressed.

The function is active when the sight is switched on and the intensity level for the red dot is above 9.

⚠ NOTE
Intensity setting 1 - 4 are intended for use with NVD and intensity setting 5 - 12 for use in daylight.

2.3 Zeroing

⚠ CAUTION
Do not continue to adjust windage and elevation screws (3) (2) if you encounter excessive resistance.When the limit position is reached overtightening may damage the Sight.

a Ensure the sight is securely installed on the weapon.

b Adjust the intensity to a comfortable setting for the red dot to contrast clearly against the target.

c Fire at least three shots to evaluate points of impact.

d Use the long end of the Torx T10 tool (7) to turn the adjustment screws.

e Windage adjustments (see Fig. 4):
- Turn windage adjustment screw (3) counterclockwise to move point of impact to the right (R).
- Turn windage screw (3) clockwise to move point of impact to the left.

f Elevation adjustments (see Fig. 5):
- Turn elevation adjustment screw (2) counterclockwise to move point of impact up (U).
- Turn elevation adjustment screw (2) clockwise to move point of impact down.

g Confirm zeroing by firing at least three shots at a zeroing target and repeat zeroing procedure if required.

⚠ NOTE

One click of the adjustment screws =
Windage: 30 mm at 100 m / 1.0 in at 100 yd / 1.0 MOA
Elevation: 20 mm at 100 m / 0.7 in at 100 yd / 0.7 MOA

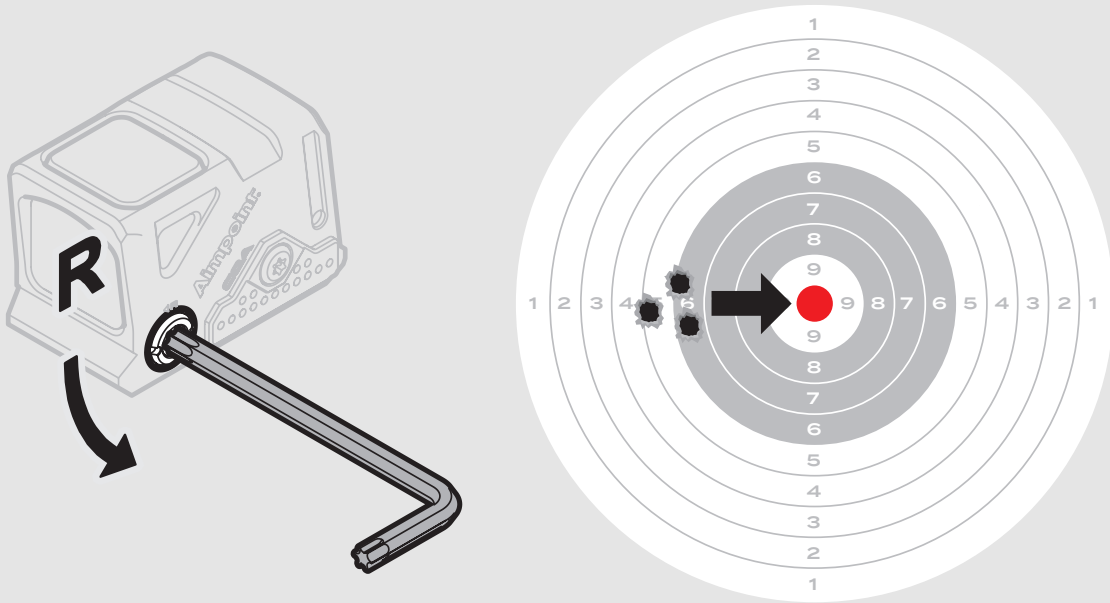


Fig. 4 Windage adjustments

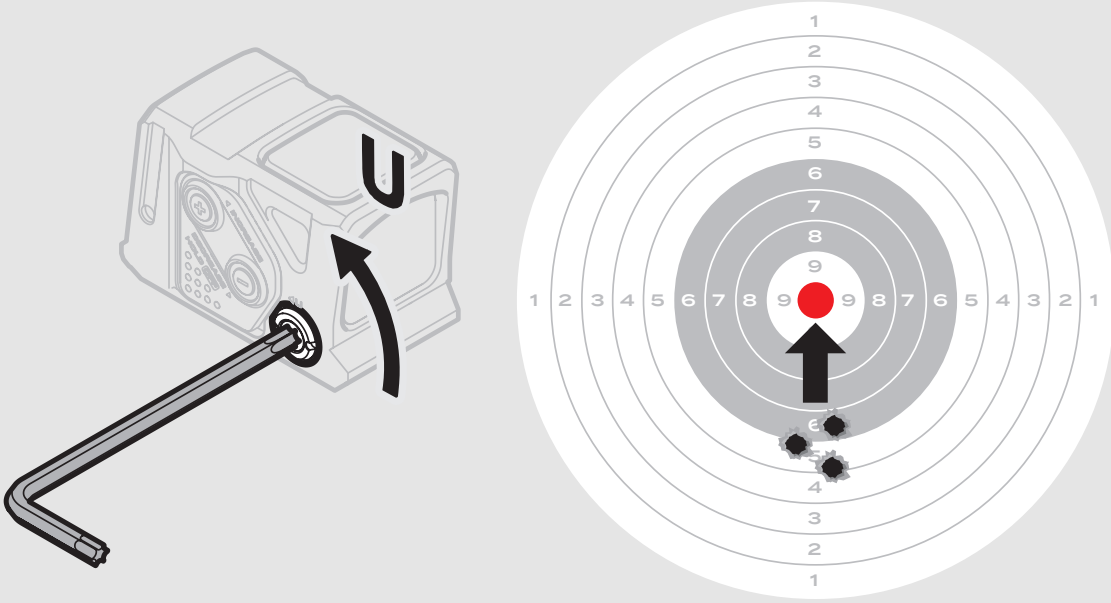


Fig. 5 Elevation adjustments

3 EXTREME CONDITIONS

- Extreme heat (moist or dry): no special procedures required.
- Extreme cold: extreme cold might shorten battery life.
- Salt air: no special procedures required.
- Sea spray, water, mud and snow: ensure the battery tray is tightened before exposing the sight to sea spray, mud, snow or before submerging the sight in water. Clean optical surfaces with lens paper/cloth and wipe the sight dry after exposure to water, sea spray, mud or snow.
- Dust storms and sand storms: optical surfaces (9) may degrade during excessive exposure.
- High altitudes: no special procedures required.

⚠ CAUTION

Never clean the optical surfaces (9) with fingers. Use lens paper/cloth. If lens paper/cloth is not available:

- To clear away debris (sand, grass etc.): blow away the dirt or rinse with clear water.
- To clean lenses: fog the lenses or rinse with clear water and clean them with a soft piece of cloth.

4 TROUBLESHOOTING

The red dot does not appear or has disappeared

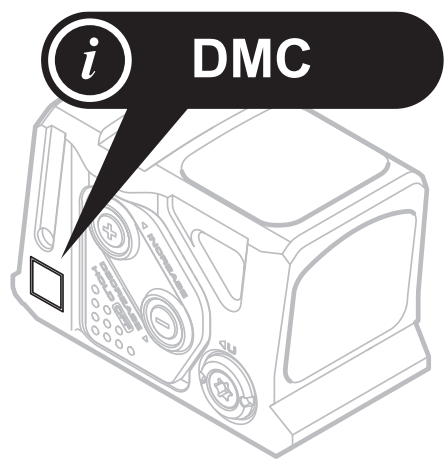
Verify that a working battery (CR2032) is installed correctly according to 2.1. If the sight is malfunctioning, notify local dealer/armourer.

The sight is impossible to zero

If an adjustment screw (2) or (3) is at its limit, check that the installation has been carried out correctly. If point of impact is moving, check if the sight is securely installed on the weapon.

⚠ NOTE

When contacting service or customer support, use the Data Matrix Code (DMC) located on the side of the sight. The DMC contains the sight's serial number and can be read by a DMC reader app.



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