Aimpoint®

PRO™

User manual

1 PRESENTATION

Aimpoint® red dot sights are designed for the ”two eyes open” method which greatly enhances situational awareness and target acquisition. 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	
Optical magnification	1X
Eye relief	Unlimited
Optical coating	Anti-reflection (AR) coating
Clear aperture	23 mm / 0.9 in
Dot size	2 MOA[1]
NVD[2] compatible	Yes
Adjustments	1 click = 16 mm at 100 m / 0.6 in at 100 yds
Adjustment range	±2 m at 100 m / ±2 yds at 100 yds
Materials	
Sight	High strength aluminum, black to dark gray, non-glare finish
Lens covers	Thermoplastic elastomer, black, non-glare finish
Power source	
Battery	One Lithium battery type 2L76 or DL1/3N (3 V)
Battery life[3]	30,000 h (more than 3 years) at setting 7
Size (L × W × H)	
Sight only	120 mm × 49 mm × 49 mm / 4.7 in × 1.9 in × 1.9 in
Configuration	132 mm × 72 mm × 81 mm / 5.2 in × 2.8 in × 3.2 in
Weight	
Sight only	194 g / 6.8 oz
Configuration	366 g / 12.9 oz

Height of optical axis

With spacer	39 mm / 1.5 in (from top surface of Picatinny rail)
Without spacer	30 mm / 1.2 in (from top surface of Picatinny rail)

Environmental specification

Temperature range (operation)	-45 °C to +71 °C / -49 °F to +160 °F
Temperature range (storage)	-51 °C to +71 °C / -60 °F to +160 °F
Submersible	45 m / 147 ft.

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

2 NVD: Night Vision Device

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

1.2 Overview

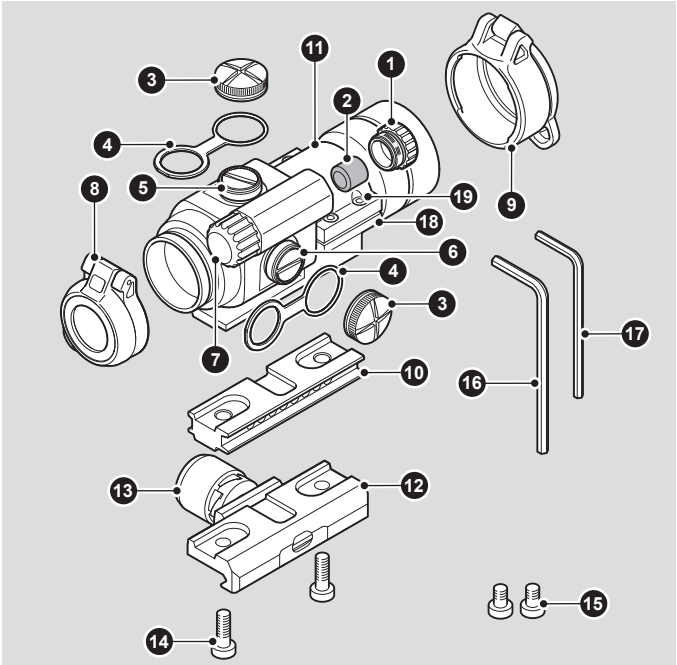

Fig. 1 Overview

1 Battery cap
2 Battery (DL1/3N or similar)
3 Cap for adjustment screw (2 pcs)
4 Strap for cap (2 pcs)
5 Elevation adjustment screw
6 Windage adjustment screw
7 Rotary switch
8 Rear lens cover
9 Front lens cover
10 Spacer
11 Ring top
12 QRP2 mount
13 Torque knob
14 Long mounting screw (2 pcs)
15 Short mounting screw (2 pcs)
16 Allen wrench 3 mm
17 Allen wrench 3/32”
18 Ring base
19 Ring screw (4 pcs)

2 OPERATION

⚠ WARNING

Ensure the weapon is not loaded and the safety selector is in the ”safe” position before attempting 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.

- 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 (manufacturer’s specified temperature rating) or 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.

2.1 Installing Battery

a Remove battery cap (1) by turning it counterclockwise.

b Insert battery (2) with positive end (+) toward battery cap. See Fig 2.

⚠ CAUTION
Check that the O-ring is in good condition and in position to ensure that there will be no water leakage into the battery compartment.

c Install battery cap (1) by turning clockwise until snug. Hand tighten only. Using tools could damage the equipment.

d Verify that the red dot is present by turning the rotary switch (7).

⚠ NOTE
Remove battery before putting the sight in storage for extended periods.

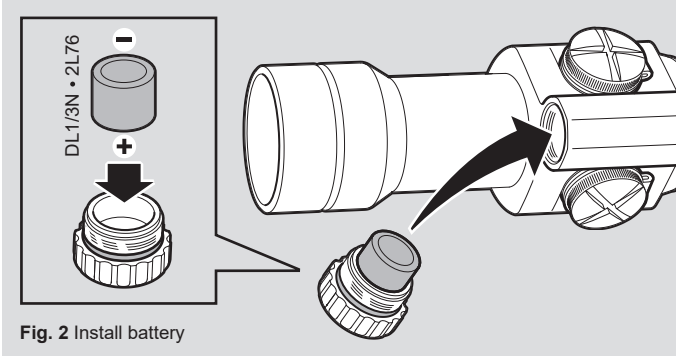

Fig. 2 Install battery

2.2 Install PRO™ on a weapon

a Select a groove on the Picatinny rail for a comfortable position in regards to eye relief. Ensure the groove is undamaged and free from dirt and /or sand.

b Loosen the torque knob (13) of the QRP2 mount (12).

c Install the sight with the recoil stop in the selected groove of the Picatinny rail.

d Push the sight forward (toward muzzle) and tighten the torque knob (13) until the third snap. This ensures that the mount is secured and the recoil stop is in contact with the side of the groove of the Picatinny rail.

2.3 Zeroing

⚠ CAUTION

Do not continue to adjust windage and elevation mechanisms if you encounter resistance.

a Open front and rear lens cover (8) and (9).

b Turn the rotary switch (7) clockwise until the red dot has a sufficient intensity to contrast against the target.

c Remove the windage and elevation adjustment caps (3).

⚠ NOTE

Each click of the adjustment screw corresponds to a 13 mm movement of the point of impact at 80 meters, (4 mm at 25 meters, 16 mm at 100 meters and 32 mm at 200 meters or 0.6 in at 100 yds).

d Insert adjustment tool (coin, screwdriver, knife) or cartridge casing in adjustment screw slot and turn as follows:

e Windage adjustments (see Fig. 3):

- Turn windage adjustment screw (6) counterclockwise to move point of impact to the right (R).
- Turn windage screw (6) clockwise to move point of impact to the left.

f Elevation adjustments (see Fig. 4):

- Turn elevation adjustment screw (5) counterclockwise to move point of impact up (UP).
- Turn elevation adjustment screw (5) clockwise to move point of impact down.

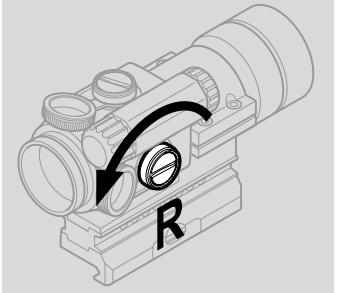

Fig. 3 Windage adjustments

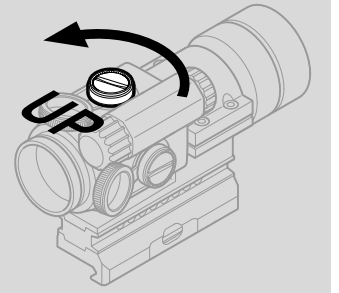

Fig. 4 Elevation adjustments

g Confirm zeroing by firing at least three shots at a zeroing target. Check impact points on a zeroing target to confirm accuracy and repeat above procedure if required.

h After initial firing, ensure that the mount and sight are secure.

3 OPERATION UNDER 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 that battery cap and two adjustment screw caps are tight before exposing the sight to sea spray, mud, snow or before immersing the sight in water. Hand tighten only.
- Keep lens covers closed when sight is not being used. Clean lenses with lens paper/cloth and wipe the sight dry as soon as possible after exposure to water, sea spray, mud or snow.
- Dust storms and sand storms. Keep lens caps closed when sight is not being used.
- High altitudes. No special procedures required.

⚠ CAUTION

Never clean the lenses 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 TROUBLE SHOOTING

4.1 The red dot does not appear or has disappeared

Clean contact surfaces in the battery compartment and verify that the battery (2) is working and that it is installed correctly. Verify that the battery cap (1) is firmly tightened.

4.2 The sight is impossible to zero

If an adjustment screw (5) (6) is at its limit, check the alignment of mount and barrel. If point of impact is moving, check the stability of mount.

4.3 The red dot does not appear to be round

Most likely the result of how your eye perceives the red dot. Unload and make your firearm safe. Turn on the sight, look at the red dot and slowly rotate the sight. If the aberration in the shape of the red dot does not rotate along with the sight, the irregularity is caused by how your eyes percieves the red dot. Minimize this effect by always setting the intensity of the red dot to the lowest setting where the red dot is clearly visible against the target in relation to ambient light.

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