LA-78M / LA-78M-UDC   Laser Alignment Aid
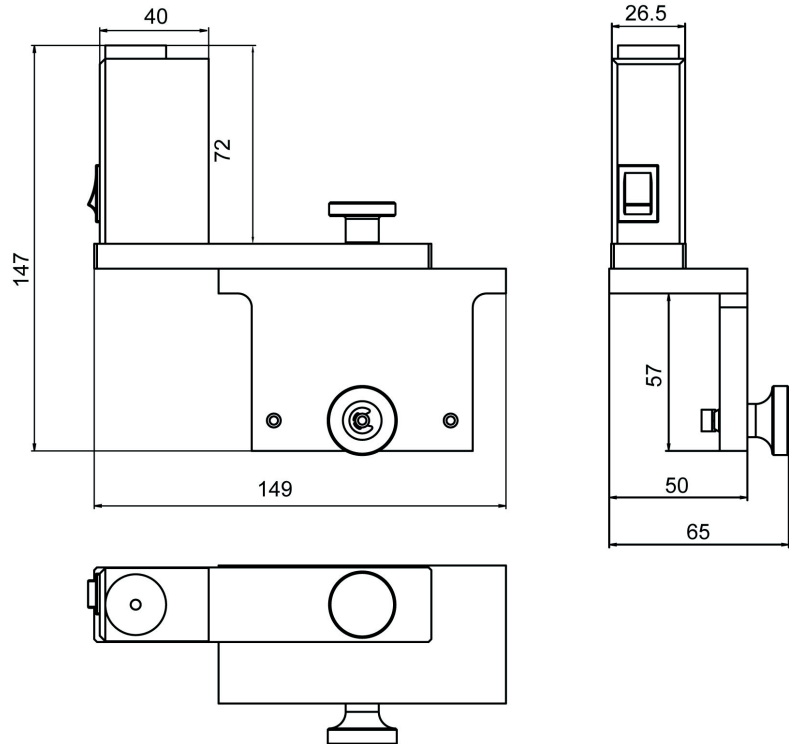
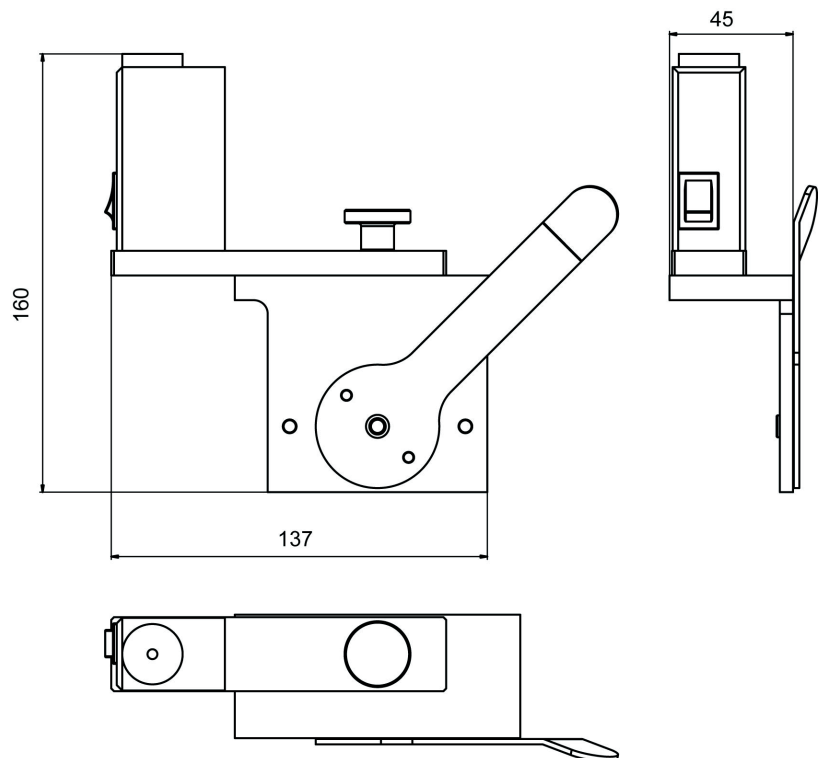# Dimensional drawings

LA-78M

LA-78M-UDC

Areas of application

The LA-78M and LA-78M-UDC Laser Alignment Aids are battery-operated red light lasers for quick and easy alignment of Leuze electronic MLD safety sensors, particularly with multiple side guarding via Deflecting Mirrors or with large operating ranges.

- The LA-78M Laser Alignment Aid is intended for direct mounting on the MLD safety sensor.

- The LA-78M-UDC Laser Alignment Aid is designed for the MLD safety sensor, mounted in the UDC device column.

⚠ **Attention laser radiation!**

The laser light source corresponds to laser class 2 according to EN 60825-1. Extended looking into the beam path may damage the eye's retina.

↳ Never look directly into the laser beam or into the direction of reflected beams.

↳ Do not switch on the laser if persons are present in the laser path.

↳ Inform persons in the vicinity before embarking on alignment work with lasers.

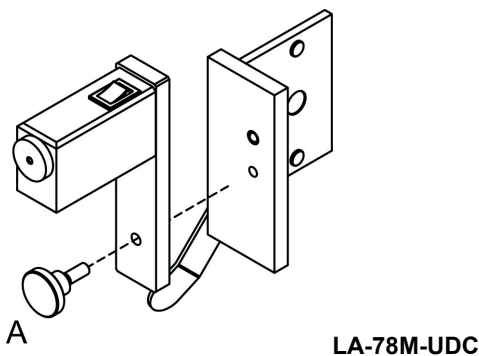| CDRH	Output power:	max. 1.0 mW
	wave length:	650 to 690 nm

Features

- Red light laser laser class 2
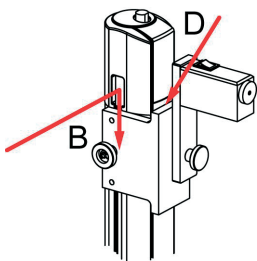- Robust aluminum housing
- Battery-operated

CE   ISO 9001

Mounting

Step 1
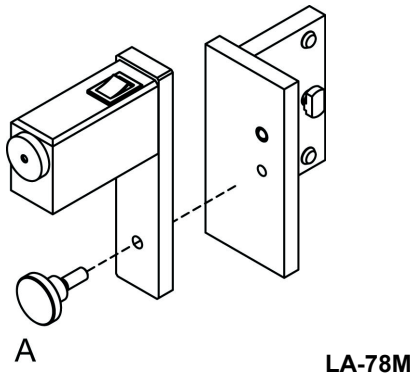
A   **LA-78M**
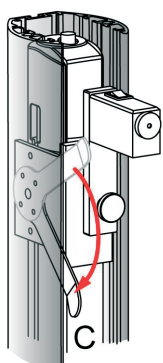
A   **LA-78M-UDC**

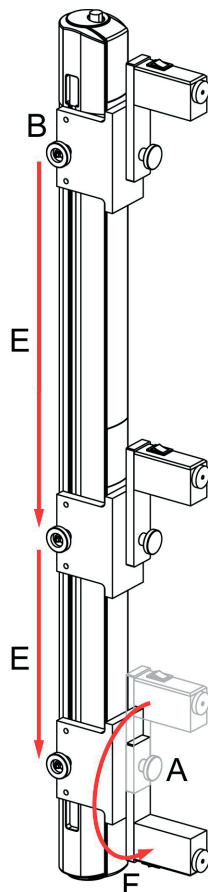**Step 2:**   **Step 3:**

Step 1: Securing the Laser Alignment Aid to the mounting bracket

- ↳ Set the LA-78M or the LA-78M-UDC Laser Alignment Aid on the mounting bracket.
- ↳ Fasten the Laser Alignment Aid with the knurled screw (A).

Step 2: Securing the Laser Alignment Aid

- ↳ Set the guide pins of the LA-78M or the LA-78M-UDC Laser Alignment Aid laterally into the guide notch of the MLD safety sensor
- ↳ Align the Laser Alignment Aid in such a way that the upper edge of the mounting bracket locks flush with the disc edge (D).
- ↳ LA-78M: Fasten the Laser Alignment Aid with the knurled screw (B).
- ↳ LA-78M-UDC: Tilt the Laser Alignment Aid between the sensor and the UDC device column by pulling the lever down (C).

Step 3: Alignment of the Laser Alignment Aid on the MLD safety sensor

- ↳ Loosen the knurled screw (B) or lift the lever (C) to secure the Laser Alignment Aid on the safety sensor.
- ↳ Move the Laser Alignment Aid along the guide notch (E).
- ↳ Align the Laser Alignment Aid in such a way that the upper edge of the mounting bracket locks flush with the upper, middle or lower disc edge (D).
- ↳ Retighten the knurled screw (B) or push the lever back down (C).

  Only lower light beam:

- ↳ Loosen the knurled screw (A) to secure the Laser Alignment Aid to the mounting bracket.
- ↳ Turn the Laser Alignment Aid by 180° (F), whereby the mounting bracket remains fastened to the safety sensor.
- ↳ Retighten the knurled screw (A).

Ordering information

Order no.	Article	Description
520023	LA-78M	Laser Alignment Aid for MLD safety sensor
520024	LA-78M-UDC	Laser Alignment Aid for MLD safety sensor in UDC device column
520021	BT-LA-78M	Mounting bracket for Laser Alignment Aid for MLD safety sensor
520022	BT-LA-78M-UDC	Mounting bracket for Laser Alignment Aid for MLD safety sensor in UDC device column