

DLO

Laser detector and warning system



DLO is used for laser irradiation indication and warning. If combat vehicle (ship, artillery post and etc.) is irradiated or laser beam (rangerfinder, designator/illuminator or laser guided) light and sound alarm will be activated.

DLO consists of two units:

- detector head (LD-H)
- indicator unit - Display (LD-D)

Command unit display LD-D will show intensity, direction, angle and type of irradiation.

Technical characteristics :

- Wavelength range 0.4 μm -1.6 μm
- Number of receivers 10
- Azimuth field of view $10 \times 36^\circ = 360^\circ$
- Elevation field of view -20° to $+60^\circ$

Direct irradiation detector

- Wavelength range 0.9 μm -1.6 μm
- Number of receivers 1
- Azimuth field of view 360°
- Elevation field of view -7° to -13°

Indicator unit - Display

- Azimuth angle resolution 10x 36° LED
- Numerical display resolution 1°
- Irradiation source
 - Laser rangefinder
 - Laser designator/illuminator
 - Laser guided missiles
- Memory 20 newest reading
- Digital outputs for activation
 - Sound alarm
 - Light alarm
 - Countermeasures
- Operating temperature -30°C to $+55^\circ\text{C}$
- Power supply and consumption
 - Accumulator 24 VDC/0,6A or 12 Vcc/1,2A,
 - Battery pack (optional)

Dimensions and weight

- Detector head $\varnothing 120 \text{ mm} \times 190 \text{ mm}$, < 2100g
- Display $220 \text{ mm} \times 120 \text{ mm} \times 70 \text{ mm}$, < 1500g
- Mounting pole $55 \text{ mm} \times 55 \text{ mm} \times 150 \text{ mm}$, < 900g
- Cables 3 Cables < 1 kg

