

Empowering Defense: Safeguarding
Lives with All-in-One Laser Detection

**LASER
WARNING SYSTEM
LWS 4000**

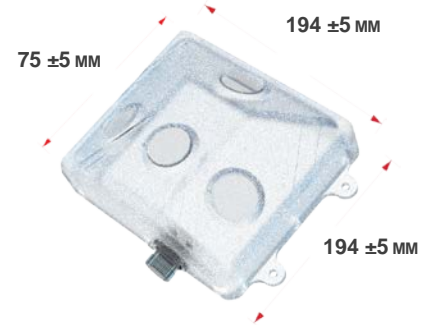


LW-4000 LASER WARNING SYSTEM

Laser warning systems are vital for detecting missile, UAV and sniper threats, providing early alerts during covert or remote attacks. These systems enable timely defensive actions, reducing risks to personnel and equipment. Their affordability and precision have made them indispensable in modern defense with many nations utilizing them to counter laser-guided weapons.

Response Time	< 100ms
Threat Classification	Laser Distance Meter (LDM)
	Laser Target Designator (LTD)
	Laser Guidance Beam (LGB)
Detection Possibility	700-1700 nanometer
Detection Sensitivity	>0.1 (W/m ²)
Vertical Field of View:	110 °
Horizontal Field of View:	110° / Unit
Total Azimuth Visual Angle	360°
Communication System	CANBUS / Ethernet
Water and dust ingress protection	IP69K
Operating Temperature	-40°C / +60°C
Storage Temperature	-55°C / +85°C
Salt Fog Resistance	800 hours
Power Consumption	120 mA ±50 mA @24 VDC Nominal
Weight	1.8 ±0.5 kg

MILITARY STANDARDS
MIL-STD 810
MIL-STD 461
MIL-STD1275



Built-in Test: Laser detector active control system enables to test all the laser detectors to live built-in test. This enables great repeatability and self calibration at all ambient conditions.

Dirty Glass Warning

Each laser is equipped with a built-in test (BIT) feature that enables the system to detect issues such as dirty glass.

Detection Range

The system is capable of detecting targets from a distance of up to 12 kilometers.

False Alarm Prevention

False alarms have been completely eliminated. It has been developed to analyze the full spectrum and prevent any potential false alarms.

Wavelength Measurement

The system can detect the wavelength of incoming threat weapon lasers, allowing it to distinguish between real lasers and deceptive light sources.

Sensor Technology

The sensors measure the amount of laser light received and verify whether any reflections originate from the same laser source. However, these reflection details are not displayed to the user to avoid unnecessary information overload.

User-Friendly Design

The magnetic cover can be opened automatically with a single button press, eliminating the need for external mechanisms to access the system. This design enhances the device's usability. The cover can be closed manually if needed. A magnetic cover system has been integrated. When the cover is closed, magnetic sensors detect whether the cover is open or closed.

Precise Location Information: The system can detect the direction of the threat laser with 15-degree sensitivity.

