



TELEFUNKEN
RACOMS

Defense



Warning Systems

Warning Systems

Fully customizable

Detecting laser and radar-guided threats:

TELEFUNKEN RACOMS offers an extensive range of sophisticated warning systems for armored fighting vehicles as well as navy vessels. Easily tailored to meet specific requirements, the systems provide personnel with accurate warnings to support effective and timely responses to laser and radar-guided threats. Providing 360-degree threat coverage, the warning systems integrate with a full array of countermeasures.

Customizable

The range of warning systems can be tailored to provide the required degree of accuracy and meet a broad range of threats. Whether installed as a stand-alone system or integrated with countermeasures, the system can be easily fitted to all AFVs and vessels.

Range of Systems

TELEFUNKEN RACOMS's Laser Warning System (E-LAWS) and Threat Detection System (TDS) detect, categorize and pinpoint laser sources such as rangefinders, designators, beam riders, infrared illuminators and trainers.

In addition to laser sources, the Multi Threat Detection System (MTDS) detects, categorizes and pinpoints radar/RF sources. All of these systems allow for training within the vehicle and include built-in test.



MTDS



TDS



E-LAWS



Superior Performance

The systems are an essential component of the vehicle's defensive capabilities and feature audio and visual warnings, high detection probability, and a low false-alarm rate.

The advanced, high-speed processing and communication capabilities, combined with electro-optical operation, ensure accurate and dependable operation. In addition, the system is immune to false alarms triggered by reflections, lightning, gunfire as well as self-RF and electro-optical operations.

The warning systems are combat-proven and in use by numerous armed forces around the world (NATO and others).

Operational Benefits

- ◆ Fully customizable to provide the required degree of accuracy
- ◆ Detects, categorizes and pinpoints laser and radar-guided threats
- ◆ Full hemispherical active threat coverage and protection
- ◆ Integrates with a full range of advanced countermeasures
- ◆ High detection probability and low false alarm rate



Warning Systems

Key Features

- ◆ Threat detection coverage: 360° horizontal, 110° vertical FOV
- ◆ Offered direction accuracy: 1° to 45°
- ◆ Direction indication for all types of threats
- ◆ Audio and visual warnings
- ◆ High detection probability
- ◆ Low false-alarm rate
- ◆ Easy installation; no machining required for installation
- ◆ High/Wide dynamic range
- ◆ Fast Ethernet/RS422/CANBUS/RS232 communications
- ◆ Meets MIL-STD-810, MIL-STD-1275(AT), MIL-STD-461 standards
- ◆ Spectral range: 0.5 to 1.6 micron
- ◆ Built-in test

Effective and timely responses to laser and radar-guided threats



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