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LDWS-2020

Laser detector and warning system

LDWS-2020 is used for laser irradiation indication and warning. If combat vehicle is irradiated by laser range finders, target designators, beam riders, dazzlers and modulated illuminators light and sound alarm will be activated. Reflected irradiation can also be detected.

Technical characteristics :

- Receivers per detector 3 direct / 2 indirect
- Upper cone receivers 1 direct per detector head (on the top)
- Elevation field of view -20° to 0° (AOA Azimuth 8° RMS)
  -5° to 60° (AOA Azimuth 16° RMS)
  60° to 90° (AOA Azimuth 30° RMS)
- Wavelength range 400 nm to 1700 nm
  400 nm to 2200 nm (optional)
  8000 nm to 12000 nm (optional)
- Azimuth field of view 360°
- Single pulse probability of detection > 99%
- False alarm rate < 1 in 72 hours
- Sensitivity 10 W/m^2 (elevation -20° to 60°)
  0.2 W/m^2 (elevation> 60°)
- Maximal number of receiver modules: 8
- Operating temperature -40°C to 70°C
- Storage temperature -55°C to 85°C
- LDWS power supply 10 V to 32 V
- Receivers modules protection IP67
- Central unit protection IP65

LDWS consists of two units:

- Four detector heads (LD-H) per vehicle
- Central unit (LD-D) (optional TFT display with keys)

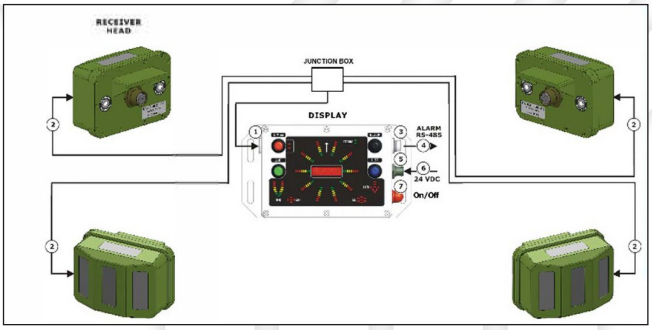
Detector head consists of:

- Three direct receivers
- One receiver for detection from above
- Two indirect receivers

Central unit (LD-D) interfaces: Ethernet, CAN Bus, RS232, Discrete outputs (galvanic isolation), Discrete inputs (emitter blanking), Audio output

Peripheral module interface: CAN Bus

With this LDWS hemispherical coverage can be achieved.



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Should you have any further enquires, please do not hesitate to contact us at **fdsp@eunet.rs**