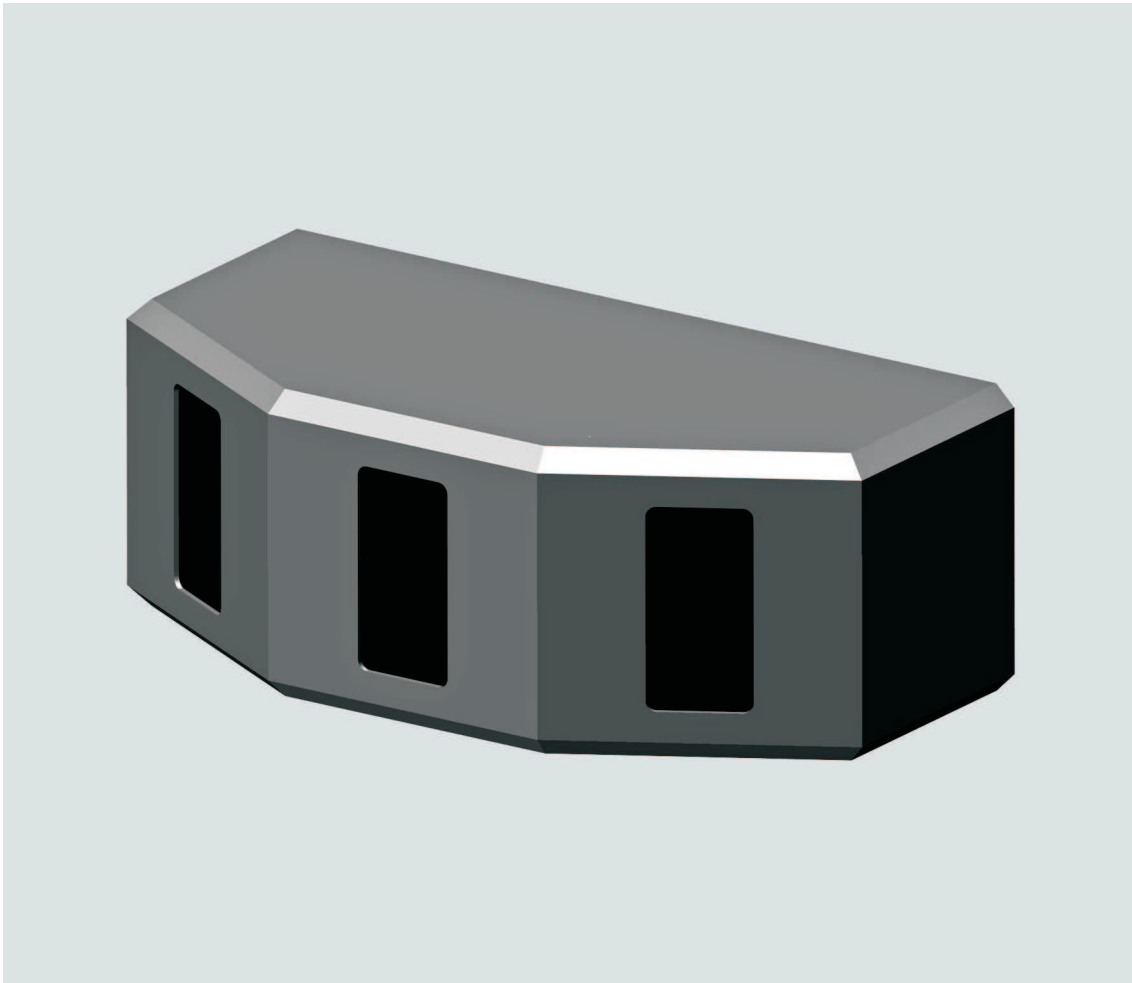


LAWAREC TRICLOP

Laser Warning Receiver



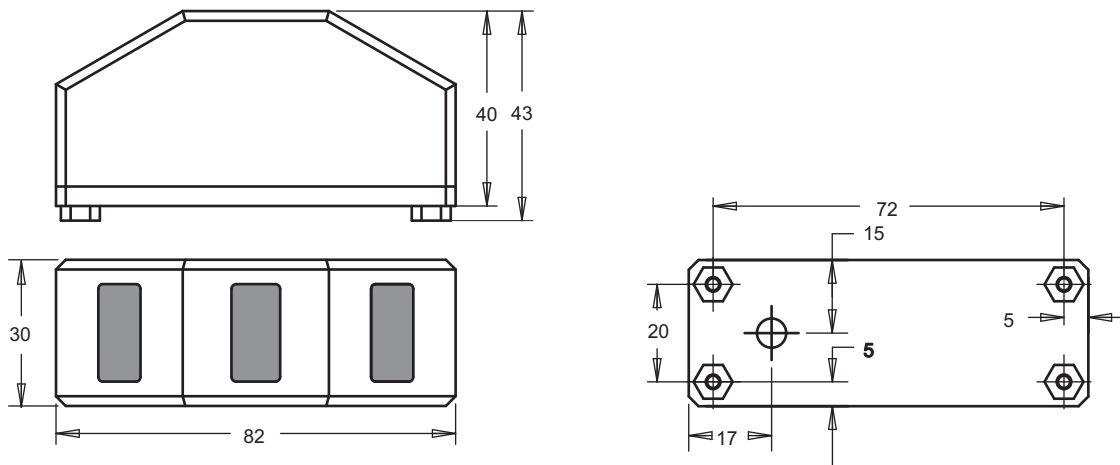
The LAWAREC TRICLOP is a detector designed for installation in the systems for their protection against laser irradiation from the head operating field of view.

LAWAREC TRICLOP

USE AND DESCRIPTION:

Detector is designed for installation in the systems for their protection against laser irradiation from the head operating field of view. Detector consists from three detection modules, covering 90 degrees in azimuth and 80 degrees in elevation. Detector also contains supply circuits and circuits of laser signal processing to the pulses of unitized length corresponding to two energy levels of incoming pulse. The outputs of the open collector typ allows connection to the inputs of the evaluation unit with maximum 30 V, current loading capacity is 50 mA. Each detection module offers two outputs corresponding to the low and high level of the laser pulse. The supply voltage is between 6 to 24 V.

BASIC DIMENSIONS



TECHNICAL DATA:

Number of detection modules:	3
Spectral range of detection:	750 ÷ 1750 nm (400 ÷ 1750 nm,
Sensitivity:	10 W/m ²
Pulse width:	10 ÷ 500 ns
Repeating frequency:	40 kHz max.
Resolution of the modules in azimuth:	45° (±22,5°)
Resolution of the modules in elvation:	80° (-20° ÷ +60°)
Total resolution of detector in azimuth:	90°
Total resolution of detector in elevation:	80°
Number of outputs:	6
Output type:	OC (opn collector)
Current loading capacity of th outputs:	50 mA (max 30 V)
Power input:	6 ÷ 24 V
Supply current:	approx 200 mA
Operating temperature:	-40 ÷ +50°C
Dimensions:	82 x 30 x 43 mm
Weight:	approx 200 g

