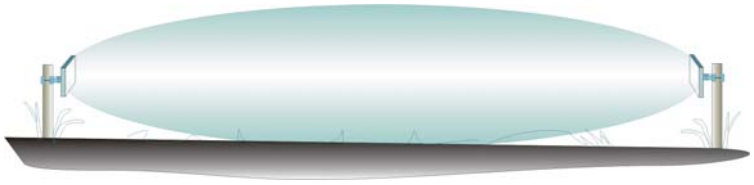
MEANS OF PROTECTION OF PERIMETERS

PRIZMA-1 Series double-station radio-wave intrusion detectors

The detectors are designed to monitor the straight-line sectors of lengthy guarded perimeters and to detect intrusion attempts by trespassers. They guard the perimeter along the ground surface at exposed areas, along walls of buildings, the barrier surface or top where a restricted area is established.

The detection area is an ellipsoid of revolution with its longer axis coaxial to a nominal line that connects the transmitter and the sensor unit of the device.



PRIZMA-1 Series detectors feature:

✓Ease of positioning and adjustment without the need for auxiliary equipment.
✓Manual and aided (TRAINING) variation of the operating threshold.
✓Usage of factory-preset thresholds.
✓Built-in LED based indication of signals when positioning and adjusting.
✓Capability of working in proximity to power transmission lines.
✓Durable steel housing and fiberglass protective elements (absence of thermoplastic materials ensures durability of the design in any climatic conditions).
✓Protection of connector cables from atmospheric conditions by means of metallic hoses.
✓Wide range of attachment fittings to mount the units onto walls or barriers, to any supports or suitable metal posts with integral junction boxes.

The basic technical data:

- The detectors provide creation of a volume zone extent from 1 to 100 m (Prizma-1/100T); from 25 to 300 m (Prizma-1/300TM); from 75 to 500 m (Prizma-1/500TM);
- The detectors provide formation, with probability not less than, signal ALARM and the correspond indication on the reception block at moving to a cover zone of infringers.
- The period of an operating time on false alarm – not less than 1000 hours;
- Power supplies - a source constant or an alternating current, in limits from 10 to 36 V
- The maximum consumed current does not exceed 25 мА
- The maximum capacity does not exceed 0,25 Vt
- Temperature range from -50 ºС to +50 ºС, at overheating of cases of units no more than +85 ºС;
- Warranty period of operation – 3 years;
- Service life of the detection units – not less than 10 years.