



PRICE-LIST

Scientific Manufacturing Centre

«OMEGA-MICRODESIGN»

(retail prices, VAT included, 2011)

www.tso-perimetr.ru

"Impuls" wire-wave detectors for the perimeter protection

(Forms the detection area along the ground's surface, along the barrier or in the upper part of the barrier)

One-flank detectors

Name	Short description	Price, rub.
Impuls-12TM (Impuls-12TPM)	Spatial detection area with the length from 20 to 250 meters. Cast aluminum cases with IP65 protection and improved protection from moisture. Temperature range: -50...+50°C. Input voltage: 20 (11)...36 V.	24000 (25000)
Impuls-12K	Less expensive version of the Impuls-12TM detector. Plastic cases with IP65 protection. Applicable in temperate climate zones. Temperature range: -40...+50°C. Simplified settings.	16000
Impuls-mini 1/250N Impuls-mini 1/250PN	Spatial detection area with the length from 20 to 250 meters. Intensified lightning protection. Cast aluminum cases with IP65 protection and improved protection from moisture. Temperature range: -50...+50°C. Input voltage: 20 (11)...36 V.	25000 (26000)
Impuls-mini 1/250NKS	An analogue of Impuls-mini 1/250N. Connection and control unit performs an additional function of a junction box. Lightning protection of all wire lines.	28000
Impuls-mini 1/250 Impuls- mini 1/250P	Spatial detection area with the length from 20 to 250 meters. Input voltage: 20 (11)...36 V. Cast aluminum cases with IP65 protection. Temperature range: -50...+50°C.	23500 (24500)
Impuls-mini 1/250KS	An analogue of Impuls-mini 1/250. Connection and control unit performs an additional function of a junction box. Lightning protection of all wire lines.	26500
Impuls-20/350	One-flank, 3-wire detector. Forms the detection area along the ground's surface, along the barrier or in the upper part of the barrier. Spatial detection area with the length from 10 to 350 meters. Input voltage: 11...36 V. The capability of determining of the motion direction of the intruders. High resistance against the electromechanical interferences, small animals and birds.	30500

Two-flank detectors

Impuls-mini 1/500N (Impuls-mini 1/500PN)	An analogue of Impuls-mini 1/250N. Spatial detection area with the length up to 2x250 meters, 2 flanks.	48000 (49000)
Impuls-mini 1/500NKS	An analogue of Impuls-mini 1/500N. Connection and control unit performs an additional function of a junction box. Lightning protection of all wire lines.	50000
Impuls-mini 1/500 Impuls-mini 1/500P	An analogue of Impuls-mini 1/250(P). Spatial detection area with the length up to 2x250 meters, 2 flanks.	41500 (42500)
Impuls-mini 1/500KS	An analogue of Impuls-mini 1/500. Connection and control unit performs an additional function of a junction box. Lightning protection of all wire lines.	43500
Impuls-20/700	An analogue of Impuls-20/350. Spatial detection area with the length up to 2x350 meters, 2 flanks.	59500

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Mounting sets for the wire-wave detectors

Sensor unit's (SU) wires

SU's wires 1/250 (SU1/500)	Two isolated wires (P-274M) for 250(500)-meters sensor unit of the detector.	2250 (4500)
SU's wires 2/250 (SU2/500)	Two non isolated wires (BSM-1) for 250(500)-meters "canopy-type" sensor unit.	3800 (7600)
SU's wires 3/250 (SU3/500)	Non isolated and isolated wires (BSM-1, P-274M) for 250 (500)-meters ground sensor unit.	3000 (6000)

Receiver and Transmitter units' mounting attachments for "Impuls-mini-1" detector

UKB-1	Receiver and Transmitter units' mounting attachments used for fixing on consoles of the sensor unit's wire mounting attachments WMA-01P (-02P).	110
UKB-2	Receiver and Transmitter units' mounting attachments used for fixing on the walls or the barriers.	200
UKB-21 (UKB-22)	Units' mounting attachments with the fiberglass console used for fixing the units along the barrier or the building's wall	300 (500)
UKB-3	Receiver and Transmitter units' mounting attachments used for fixing on consoles of the sensor unit's wire mounting attachments WMA-03P (-04P).	150
Earthing device	Is designed for earthing the detector's units	400

The sensor unit's wire mounting attachments

WMA-01P	For fixing on poles (trees' trunks). 0.3 m consoles made of fiberglass, not subjected to meteorological impacts.	125
WMA-02P	For fixing in the upper part of a barrier (building's wall), a "canopy-type" version. The length of the console is 0,75 metres; made of fiberglass.	250
WMA-03P/1,2 (WMA-03P/1,5)	For fixing along the barrier. The length of the console is 1,2(1,5) metres. Made of fiberglass, not subjected to meteorological impacts.	385 (420)
WMA-04P	For fixing along the ground's surface at a height of up to 1,8 metres. Vertical console is made of fiberglass, not subjected to meteorological impacts.	650

Two-position radio-wave detectors for perimeter protection

Detectors for "open" sectors' protection

Prizma 1/500N	Protects "open" sectors of the perimeters along the ground's surface or over the fencing. Spatial detection area with the length from 75 to 500 meters, and with the width no more than 6,5 meters (in the middle of the sector of the maximum length). Synchronization of the units' work by the radio beam or by the wire; remote control; adjusting in the modes of " training " or " manual ". High resistance against the electromechanical interferences. LED (light-emitting diodes) indication of signal amplitudes and response thresholds during the processes of adjustment and monitoring; automatic diagnostic. Input voltage 10...36 V . Temperature range: -50...+50°C. Metal cases.	17000
Prizma 1/300N	An analogue of Prizma 1/500N. Spatial detection area with the length from 25 to 300 meters, and with the width no more than 4,5 meters (in the middle of the sector of the maximum length).	14000
Prizma 1/100N	An analogue of Prizma 1/500N. Spatial detection area with the length from 3 to 100 meters, and with the width no more than 2,5 meters (in the middle of the sector of the maximum length).	12000
Prizma 1/500TM	An analogue of Prizma 1/500N. Synchronization of the units' work only by the radio beam.	16000
Prizma 1/300TM	An analogue of Prizma 1/300N. Synchronization of the units' work only by the radio beam.	12800
Prizma 1/100TM	An analogue of Prizma 1/100N. Synchronization of the units' work only by the radio beam..	11000

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Detectors designed to monitor entrance gates and short sectors of the perimeter

Prizma 1/40T	Designed for guarding the sectors of the perimeter along the ground's surface or over the barrier. Spatial detection area with the length from 3 to 40 meyers. Synchronization of the units' work only by the radio beam. Input voltage 10...36 V . Temperature range: -50...+50°C.	10000
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Detectors recommended for installation on the objects with a small exclusion zone and near the roads and railway tracks (have no world analogues, produced under the Patent RU 2348980C2)

Prizma 2/500N	Spatial detection area with the length from 40 to 500 meters. The width of the detection area varies from 0,4 to 3 meters. Synchronization of the units' work by the radio beam or by the wire; adjusting in the modes of " training ", " auto " or " manual ". Improved noise stability. LED (light-emitting diodes) indication of signal amplitudes and response thresholds during the processes of adjustment and monitoring; automatic diagnostic. Input voltage 10...36 V . Temperature range: -50...+50°C. Metal cases.	18000
Prizma 2/300N (Prizma 2/100N)	An analogue of Prizma 2/500N. Spatial detection area with the length from 25 to 300 meters (from 8 to 100 meters). The width of the detection area varies from 0,4 to 2 meters (in the middle of the sector of the maximum length).	15000
Prizma 2/500	An analogue of Prizma 2/500N. Synchronization of the units' work only by the radio beam.	17000
Prizma 2/300 (Prizma 2/100)	An analogue of Prizma 2/500N (Prizma 2/100N). Synchronization of the units' work only by the radio beam.	14000

Detectors with the supernarrow detection area for guarding the sectors of the perimeter, located flush to the barrier, walls, poles, etc. (have no world analogues, produced under the Patent RU №2348980)

Prizma 3/100	Spatial detection area with the form of a cylinder with a diameter 0,4 m and with the length from 1 to 100 meters. Synchronization of the units' work by the radio beam or by the wire; adjusting in the modes of " training ", " auto " or " manual ". Improved noise stability. LED (light-emitting diodes) indication of signal amplitudes and response thresholds during the processes of adjustment and monitoring; automatic diagnostic. Input voltage 10...36 V . Temperature range: -50...+50°C. Metal cases.	16000
Prizma 3/200	An analogue of Prizma 3/100. Spatial detection area with the length from 5 to 200 meters.	18000

Mounting boxes for "Prizma" detectors

BD-00	Designed to connect two Transmitter units of the adjacent sectors for all modifications of «Prizma 1» and «Prizma 2» detectors. Temperature range: -60°C...+60°C. Metal case.	2500
BM-00	Designed to connect two Receiver units of the adjacent sectors for all modifications of «Prizma 1» and «Prizma 2» detectors. Temperature range: -60°C...+60°C. Metal case	2500

Installation parts kits for radio-wave detectors

UZK-1	Knot of fastening of blocks to attach Transmitter unit and Receiver unit to barriers or walls of buildings, to poles or pipes. Included in a standard contents of delivery.	200
UZK-2/110 (UZK-2/150)	Knot of fastening of blocks to attach TU and RU on columns or pipes. Also applicable for attaching the units of indication, control, connection (BI100, BD-00, BM-00) and Universal Connection Boxes KSUM1-20. The minimum diameter of the pipe (pole) - 50 mm , maximum diameter of the pipe (pole) - 110 mm (150 mm) .	800
UZK-22/110 (UZK-22/150)	Knot of fastening of two "Prizma" units of the adjacent sectors or one "Prizma" unit together with BI100 (BD-00, BM-00, KSUM1-20). The minimum diameter of the pipe (pole) - 50 mm , maximum diameter of the pipe (pole) - 110 mm (150 mm) .	1200
KVZ-1/0,5 KVZ-1/0,3 KVZ-1/0	An L-shape holder designed to attach TU and RU to upper parts of barriers, walls of buildings or roofs. The length of the vertical part 0,5/0,3/0 m.	1100 1000 900

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Mounting posts for “Prizma” detectors

ST-1/1	A post 1 m high to install one or two Transmitter units (Receiver units) of “Prizma” detectors.	2100
ST-1/1,4	A post 1.4m high to install one or two Transmitter units (Receiver units) of “Prizma” detectors	2200
OST-1/0,5	A support 0.5 m to fix the ST-1, installed into the ground	600
OST-1/0,8	A support 0.8 m to fix the ST-1, installed into the ground	800
OST-1/1	A support 1.0 m to fix the ST-1, installed into the ground	1000
KSST-1	A box to connect one or two Transmitter units (Receiver units) To be built-in to the upper part of ST-1 post	1800
UK-ST1	Mounting attachment for Transmitter unit (Receiver unit) on ST-1 post.	800
UK2-ST1	Mounting attachment for 2 units of «Prizma» detectors on ST-1 post.	900

Universal Connection Boxes for the perimeter protection

KSU-20(40)- 2×10	Universal Connection Box, designed for distribution of jumper cables to connect monitoring devices. is enclosed in a cast aluminum case (full dust and splashing water ingress protection). Has two cable lead-ins and 2x20 clamps allowing to repeat jumper cables, and two cable lead-ins and 2x10 clamps for branch cables, toggle switches for switching power supply lines, two fuses, built-in lightning protection elements. Conductors of the cables are easy to align themselves with the help of ultra-reliable clamps. Require no servicing and pulling up of screws (at the temperature (from -60°C to +60°C) and temporal wire shrinkage).	3400 (4000)
KSUM-20 (40)	Made on the basis of KSU-20(40)-2×10, upgraded for security alarm systems.	3500 (4300)
KSUM1-20 (40)	An analogue of KSUM. Has two lead-ins for branch cables in metallic hoses	3500 (4300)

Power supply units for the security and fire alarm devices working on the stabilized DC voltage (for indoor installation)

BBP 24/1	Output voltage - 24 V. Load current up to 1 A. Supply voltage: AC power network 180...240 V. Built-in rechargeable battery 12 V, Automatic Recharge, control over the discharge. Temperature range: -20 °C ...+50°C. Voltage pulsation of the DC 0,05 V.	4000
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Power supply units for the security and fire alarm devices working on the stabilized DC voltage (for placing on the street)

UPS 12/0,66	Uninterruptible Power Supply for placing on the street. Output voltage - 12 V, full-load current up to 0,66 A. Supply voltage: AC power network 180...240 V. Built-in rechargeable battery 12 V, 1,3 A/h, Automatic Recharge, control over the discharge. Temperature range: -50...+50°C.	7600
UPS 15/0,53	An analogue of UPS 12/0,66. Output voltage - 15 V (0,53 A).	7600
24/0,33	An analogue of UPS 12/0,66. Output voltage - 24 V (0,33 A).	7600
UPS 30/0,26	An analogue of UPS 12/0,66. Output voltage - 30 V (0,26 A).	7600
UPS -12/0,66z	An analogue of UPS 12/0,66. Built-in protection against the electric shock	8600
UPS -15/0,53z	An analogue of UPS -12/0,66z. Output voltage - 15 V (0,53 A).	8600
UPS -24/0,33z	An analogue of UPS -12/0,66z. Output voltage - 24 V (0,33 A).	8600
UPS -30/0,26z	An analogue of UPS -12/0,66z. Output voltage - 30 V (0,26 A).	8600

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