



S2000-IK REV.02 ADDRESSABLE VOLUMETRIC PIR MOTION DETECTOR

Data Sheet

1 The product:

S2000-IK Rev.02 Addressable Volumetric PIR Motion Detector

Lot Number _____

Production Date _____

2 Acceptance Certificate

This production lot is manufactured in line with actual technical documentation and approved as proper for operation.

Quality Assurance Representative

(signature)

Made by RIELTA CJSC

b) Relative humidity up to 92% at 25°C, non-condensing.

4.8 While being transported, the packaged detector shall withstand:

a) Transportation bounce with acceleration of 30 m/s² and repeated shocks 10 to 120 impacts per a minute or 15000 shocks;

b) Ambient temperatures ranged from minus 50°C to +50°C;

c) Relative air humidity (95±3) % at +35°C.

4.9 After transportation under the conditions different from exploitation ones the detector shall be ready to operate in 6 hours maximum.

4.10 The detector remains functional when its average input voltage varies between 6.5V and 8.5V.

4.11 MTBF in quiescent mode: 60,000 hours min.

4.12 Ingress Protection Rating: IP41 as per GOST 14254-96.

3 General Information

3.1 S2000-IK Revision 02 Addressable Volumetric Passive Infrared (PIR) Motion Detector (hereinafter referred to as the detector) is designed to detect intrusion or attempts of intrusion into closed premises with sending alarms to the connected polling loop controller S2000-KDL or S2000-KDL-2L. The detector is intended to operate as a part of an Orion fire and intrusion alarm system.

3.2 The detector features a volumetric detection zone providing pet immunity for animals up to 20 kg.

3.3 As per environmental protection the detector is implemented as standard as per OST 25 1099-83.

3.4 The detector is intended for round-the clock operation.

3.5 The detector relates to single-function, non-repairable, and serviced products of Group "IKN" Type 1 as per GOST 27.003-90.

5 Standard Delivery:

S2000-IK Rev.02 Motion Detector	1 pc.
Swivel Mount Bracket	1 pc.
Screw	2 pcs.
Operation and Instruction Manual	1 copy
Data Sheet	1 copy

3.6 The detector processes signals using the amplitude-time method.

3.7 Noise protection of the detector provides absence of false alarms under the influence of small animals' movement, background illumination differentials, convective air flows, slow temperature changes, voltage impulses via power supply circuit, electrostatic discharge, FM-band electromagnetic fields.

3.8 The Detector provides no interferences for similar detectors, detectors of other types and purposes, as well as to any domestic radio equipment.

3.9 The detector is equipped with a red LED to indicate its operation conditions and a tamper switch to detect unauthorized access.

The detector provides three type of indication:

- "Norm", when operating in the quiescent mode;
- "Alarm", when an intrusion to the protected area has been detected;
- "Tamper Alarm", when the detector housing is open.

6 Manufacturer Warranty

6.1 RIELTA CJSC guarantees that the detector meets the technical requirements specified in its Technical Specifications if the user follows the instructions for shipment, storage, installation, and usage.

6.2 The guaranteed storage period is 63 months since the date of manufacturing the detector. The guaranteed period of operation is 60 months since the date of commissioning within the guaranteed storage period.

6.3 The detectors that are found to not meet their Technical Requirements during the warranty period shall be replaced or repaired by the RIELTA CJSC, provided that the installation and operation rules were observed.

7 Packaging Certificate

S2000-IK Rev.02 PIR Motion Detector is packaged by RIELTA CJSC in line with requirements of actual engineering documentation.

Packaging Date _____

Packaged by _____

4 Specifications

4.1 Max detection range: 10 m

4.2 Sensitivity of the detector provides sending alarms under human movements within the detection zone transversally to its side border with a speed 0.3 – 3 m/s over a distance up to 3 m.

4.3 The current consumed by the detector in the quiescent mode and the alarm mode with the LED being turned off doesn't exceed 0.5 mA.

4.4 In case of human moving within the detection zone the detector issues an Alarm specifying its given address.

4.5 In case of tampering the detector issues a Tamper Alarm specifying its given address.

4.6 The detector remains functional exposed to harmonic vibrations with acceleration of 0.981 m/s² within 10 Hz to 55 Hz.

4.7 The detector is to be operated under:

a) Ambient temperatures ranged from minus 30°C to +50°C;

8 Transportation and Storage

8.1 The detectors in its original packing may be shipped by any transport in covered vehicles (in railway cars, trucks, containers, sealed heated compartments of aircrafts, ship cargo holds, etc.).

8.2 The conditions of transporting the detector shall meet the requirements of Storage Condition 5 as per GOST 15150-69.

8.3 The conditions of storage for the packaged detector shall meet the requirements of Condition 1 as per GOST 15150-69. The storage room shall be free from current-conducting dust, acid vapors, alkaline fumes, and gases that cause corrosion and destroy insulation.

8.4 If the detector is stored for longer than 3 months it shall be unpacked.

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