

FORMAT-50, FORMAT-100, FORMAT-200

The principle of operation is based on the operation of two channels working on two different physical principles of detection: bistatic microwave and bistatic infrared.

The sensors performance is the most effective on direct perimeter sectors requiring extra narrow detection zone, for example, if the sensors are installed by the top of the fence, in corridors, in areas near side-walks and roads, etc.

FORMAT sensors operate on 24,15 GHz.

The essential advantage of the sensors is the high interference immunity.

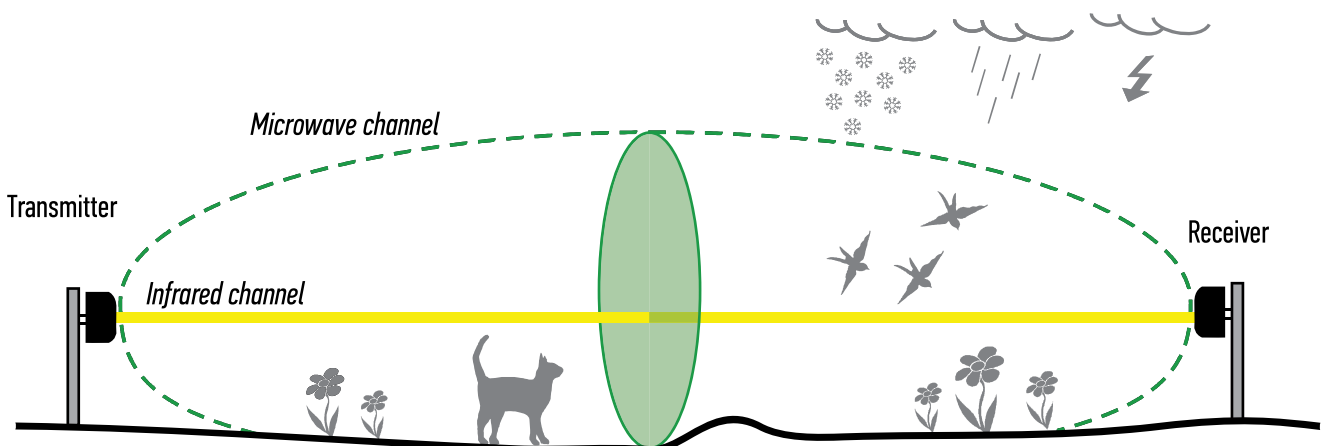
The sensors have USB and RS-485 interfaces for work with special software. The software makes it easy to start up the sensors and assures correct configuration of parameters.

In spite of apparent difficulty of the sensors, they are easy to operate. They do not require special knowledge of staff and are not expensive.



Specifications	FORMAT-50	FORMAT-100	FORMAT-200
Operational frequency		24,15 GHz	
Range	10 ÷ 50 m	10 ÷ 100 m	20 ÷ 200 m
Diameter of IR channel detection zone*	0,1 m	0,2 m	0,3 m
Diameter of MW channel detection zone	1,0 m	1,5 m	2,0 m
Number of letters		4	
Supply voltage		9...30 V	
Current consumption		0,06 A	0,07 A
Detection probability		minimum 0,98	
Operational temperature		-50...+75°C	
Housing protection level		IP-55	
Alarm output		relay contacts	
Interfaces		RS-485, USB, Ethernet (upon request)	
Dimensions	211x138x70 mm		211x138x105 mm
Weight	1,0 kg	1,2 kg	1,3 kg

*Diameter of the sensor detection zone coincides with the IR channel detection zone



Parameters of the detection zone

- - Microwave channel
- - Infrared channel