

FON-3

OUTDOOR MICROWAVE DETECTOR

DESIGNED TO:

Detect intrusion in the protected open outdoor areas or big indoor halls and generates an alarm signal by opening the output relay contacts.

KEY FEATURES:

- noise-immune algorithm ADFM-1 with high detection capability, which is specially developed for open outdoor areas;
- targets filtering based on distance, pace and movement measurements with precise distinction between active and dead zones, with the accuracy ± 0.5 m;
- detect a movement in both radial and diametrical directions;
- nonadjustable near-field dead zone, which is insensitive to birds, small animals, etc. within the radius of 2 m;
- adjustable detection range;
- programmable console for on-site adjustment.

The detector is resistant to:

- vehicular movement at a distance greater than 3 m from the detection zone boundaries;
- traffic movement at a distance greater than 50 m from the detector;
- vibration of metal objects located in the detection zone with an amplitude as much as 0.2 m;
Detection zone can contain:
 - bushes with a top diameter as much as 1 m located within the detection zone;
 - large trees located near the detection zone's boundaries with tree tops of a height greater than 3 m.

ALGORITHM OF OPERATION:

Operating range can be adjusted by the special programming module that changes the size of a long-distance dead zone.

ADDITIONAL FEATURES:

Programmable parameters:

- range adjustment.

Index of protection:

- IP65



FON-3K

PROGRAMMING MODULE



TECHNICAL CHARACTERISTICS:

- maximum detection range, m	30
- minimum detection range, m	10
- detection zone square, minimum, m ²	400
- range of detectable speeds, m/sec.	0.2 - 5
- power supply voltage, V	10 - 30
- current consumption (together with the programming module), maximum, mA	100
- dimensions (without bracket), mm	200x210x140
- angle of bracket rotation:	
in the vertical plane, degrees	45
in the horizontal plane, degrees	90
- operating temperature range, °C	-40...+55