

## CVD-103 Security Sensor

CVD-103 security sensor is applied to detects changes in infrared range caused by intruders moving through the detection pattern.

Rugged metal construction of CVD-103 allows its application in wide range of environmental conditions. The sensor case can be positioned at  $\pm 90^\circ$  angle vertically and  $360^\circ$  horizontally to the bracket.

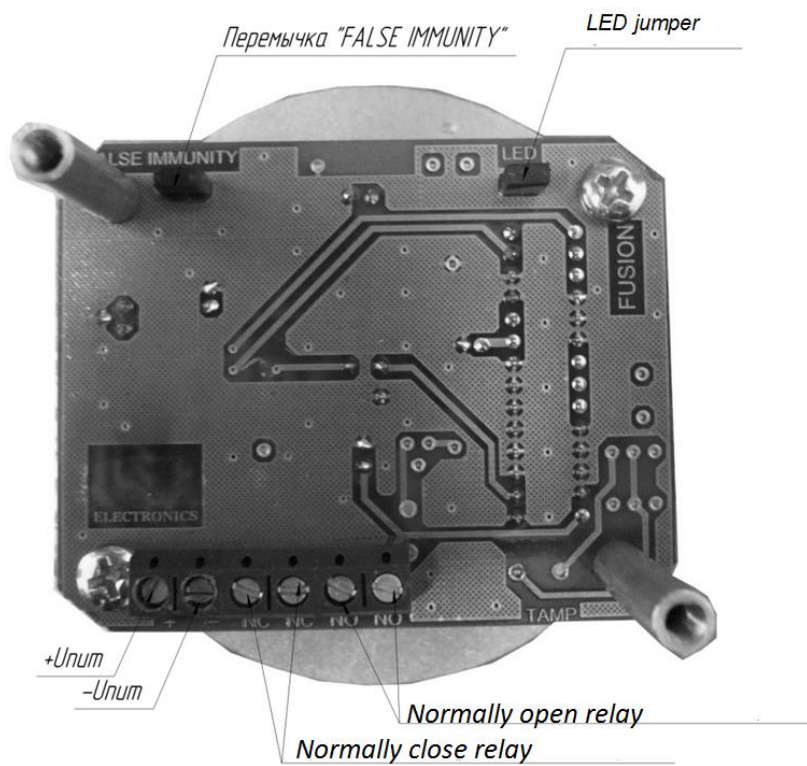
CVD-103 detects intrusion by sensing the infrared radiation contrast between an object moving through the detection pattern and the background environment. When intruder violates sensor detection zone, it will trigger relay and generated alarm.

CVD-103 is widely applied for perimeter intrusion detection systems and border control.



Parameter	Value
Intruder detection distance, not more, m	50
Detection zone width/height within 50 m, m	3/2
Intruder speed range, m/s	From 0.1 to 5
Max readiness time after activation, s	60
Time of standby mode recovery after alarm detection, not more, s	10
Alarm duration, not less, sec	5
White light resistance, not less, lux	10000
Data out	Relay
DC current voltage, V	9-27
Input current, not more, mA	7-15
Operating mode	Continuous
Ingress protection	IP65
Operating temperatures, $^\circ\text{C}$	- 40 to +50
Overall dimensions without antenna	165x95x90
Weight	0.7

## Connection



Sensitivity modes:

- High sensitivity mode – “FALSE IMMUNITY” jumper off.
- Low sensitivity mode (factory setting) – “FALSE IMMUNITY” jumper on for max protection from false alarms, recommended for open areas.

When “LED” jumper is on, alarms are highlighted with red illumination for the lens side.