

# Alarms

## IO 102-15/1



IO 102-15/1 security magnetically contact detector is designed for locking doorways and windows, arranging "trapping" medium as well as locking other elements of buildings with an alarm signal raised to a control panel, concentrator or central surveillance system by opening reed switch contacts.

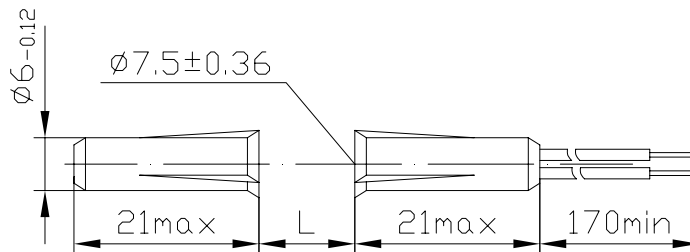
Detector consists of a reed sensor and driving element (magnet) in plastic housing. It is designed for continuous operation.

### Specifications

Switching voltage range	V	0,05 ... 72
Switching current range	mA	0,1 ... 250
Switching power, max	W	10
Life, min	-	$1 \cdot 10^6$
Output electrical resistance:		
• at closed contacts (at $(100 \pm 10)$ mA), Ohms, max	-	0,5
• at open contacts, kOhms, min		200
If sensor and magnet are located parallel contacts should be:		
• closed – at the distance between them	mm	10 and less
• open – at the distance between them		45 and more
Allowable offset of sensor and magnet, max	mm	2
Insulation resistance between leads of sensor, min:		
• in normal climatic conditions	Ohms	$5 \cdot 10^6$
• at high relative humidity 98% at $+35^\circ\text{C}$		$2 \cdot 10^5$
Breakdown voltage between sensor leads and case, min	$V_{AC} / V_{DC}$	500 / 700
Operating temperature range	$^\circ\text{C}$	-50 ... +50
High humidity at $+35^\circ\text{C}$ , max	%	98
Vibration proof at 10 to 35 Hz, max	$\text{m/sec}^2$	4,9
	(g)	(0,5)
Failure free operation time, min	h	200000
Life time, min	years	8
Sensor/magnet weight, max	g	2,1 / 2,1

### Installation:

For installation a wooden surface should be drilled. For mounting of the detector on the metallic surfaces between the case of the sensor (magnet) and metallic surface a gap no less than 30mm should be created with the help of nonmagnetic materials.



Information could be subject to changes. For details please contact marketing department.

15.09.2011



[www.rmcp.ru](http://www.rmcp.ru)

**JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"**

Russia, 390027, Ryazan, Novaya street, 51 «B»

Marketing: Tel./Fax: (4912) 24-02-34, e-mail: [marketing@rmcp.ru](mailto:marketing@rmcp.ru)

Sales: Fax: (4912) 24-02-34, 44-19-70, 44-68-07

