

# Alarms

## IO 102-15/2



IO 102-15/2 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.

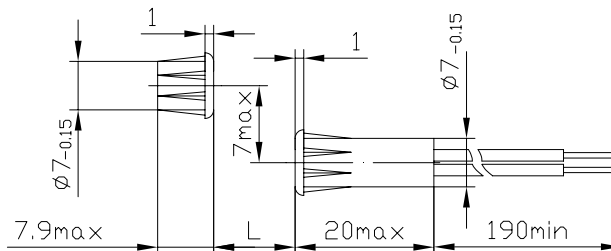
Detector consists of a reed sensor and driving element (magnet) in plastic housing. It is designed for continuous operation.

### Specifications

Switching voltage range	V	0,05 ... 72
Switching current range	mA	0,1 ... 250
Switching power, max	W	10
Life, min	-	$1 \cdot 10^5$
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	8 and less
• open – at the distance between them		45 and more
Allowable offset of sensor and magnet, max	mm	7
Insulation resistance between leads of sensor, min:		
• in normal climatic conditions	Ohms	$5 \cdot 10^6$
• at high relative humidity 98% at $+25^\circ\text{C}$		$2 \cdot 10^5$
Breakdown voltage between sensor leads and case, min	$V_{AC} / V_{DC}$	500 / 700
Operating temperature range	$^\circ\text{C}$	-40 ... +45
High humidity at $+25^\circ\text{C}$ , max	%	98
Vibration proof at 10 to 35 Hz, max	$\text{m/sec}^2$ (g)	4,9 (0,5)
Failure free operation time, min	h	200000
Life time, min	years	8
Sensor/magnet weight, max	g	2,33 / 1,13

### Installation:

For installation a plastic surface should be drilled.



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

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