SLOVENSKI STANDARD
SIST EN 50131-2-7-3:2012/A1:2014

01-februar-2014

Alarmni sistemi - Sistemi za javljanje vloma in ropa - 2-7-3. del: Zahteve za javljalnike vloma - Javljalniki loma stekla (aktivni) - Dopolnilo A1

Alarm systems - Intrusion and hold-up systems -- Part 2-7-3: Intrusion detectors - Glass break detectors (active)

Alarmanlagen - Einbruch- und Überfallmeldeanlagen -- Teil 2-7-3: Einbruchmelder - Glasbruchmelder (Aktiv)

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up -- Partie 2-7-3: Détecteurs d'intrusion - Détecteurs bris de glace (actifs)

Ta slovenski standard je istoveten z: EN 50131-2-7-3:2012/A1:2013

ICS:

13.310	Varstvo pred kriminalom	Protection against crime
13.320	Alarmni in opozorilni sistemi	Alarm and warning systems

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50131-2-7-3/A1

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ICS 13.320

English version

Alarm systems - Intrusion and hold-up systems - Part 2-7-3: Intrusion detectors - Glass break detectors (active)

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 2-7-3: Détecteurs d'intrusion - Détecteurs bris de glace (actifs)

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 2-7-3: Einbruchmelder - Glasbruchmelder (Aktiv)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This document (EN 50131-2-7-3:2012/A1:2013) has been prepared by CLC/TC 79 "Alarm systems".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-10-14
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-10-14

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1 Modification to 4.1 Event Processing

Replace Table 1 by the following:

Table 1 — Events to be processed by Grade

Event	Grade			
	1	2	3	4
Intrusion	M	M	M	M
No Stimulus [a]	M	M	M	M
Masking	Op	Op	M	M
Tamper	Op	M	M	M
Low Supply Voltage – wire free devices	M	M	M	M
Low Supply Voltage – wired devices	Op	Op	Op	M
Total loss of power supply [b]	Op	M	M	M
Local Self Test [c]	Op	Op	M	M
Remote Self Test	Op	Op	Op	M
M = Mandatory Op = Optional				
a 'No Stimulus' is considered to be the quiet condition, while no alarm generating stimulus for a detector at that time applies to the detector input capabilities b Mandatory for wire-free at all grades. Only required if power is for normal local operation, e.g. purely switch based solutions do not fall under this requirement; however if signal processing (except if it is the CIE itself) is required to process the output of the sensor, such an event shall be generated alternatively no generation of a message or signal is required when the condition is detected by the CIE due to system design c Mandatory for all grade 4 devices. For grade 3 devices, only required in case of MCU based solutions based on Software / Firmware sensor input analysis and signal processing.				

2 Modification to 4.5.3 Detection of masking

Delete the first Note and its corresponding text.

3 Modification to 6.7.3 Immunity to Soft objects hitting the glass

***Replace** the third paragraph by the following:*

The connection between the steel ball and the upper most point of the pendulum is a cotton string with a diameter of < 3 mm. Each test will consist of one hit, without repeated bouncing.

4 Modification to 6.7.4 Immunity to Hard objects hitting the glass

***Replace** the third paragraph by the following:*

The connection between the steel ball and the upper most point of the pendulum is a cotton string with a diameter of < 3 mm. Each test will consist of one hit, without repeated bouncing.

5 Modification to 6.7.5 Immunity to Static pressure

In the second paragraph, first indented line, ***replace*** "Power with pressure object (F):" *by* "Force with pressure object (F):"

6 Modification to 6.7.6 Immunity to Dynamic pressure

In the second paragraph, first indented line, ***replace*** "Power with pressure object (F):" *by* "Force with pressure object (F):"

7 Modification to 6.7.7 Immunity to wide band noise using Flat steel rulers

In the second paragraph, ***replace*** *the three last dashes by the following:*

— 1 short steel ruler: 200 mm total length, cross section 13 by 0,4 mm, app. 0,01 kg

— 1 midsize steel ruler: 300 mm total length, cross section 30 by 1 mm, app. 0,06 kg

— 1 long steel ruler: 500 mm total length, cross section 30 by 1 mm, app. 0,1 kg

Replace *the third paragraph by the following:*

Whereas 6 detectors will be mounted on one side ('inner') of the standard immunity glass pane, each steel rule will be placed in different positions on the opposite side ('out') of the glass pane where the detectors are mounted, one end will be held down on the glass, the other end will be bent away and by immediate release snap against the glass according to Table 6:

Table 6

Test – Steel ruler type	Description	
	End of ruler hold down distance	**Distance the steel ruler is bent from glass**
Short steel ruler	3 cm	≤ 12,5 cm
Midsize steel ruler	3,5 cm	≤ 15 cm
Long steel ruler	3,8 cm	≤ 10 cm

This will happen with different intensity and in a different frequency. With each ruler, there should be 5 tests carried out.

Following the addition of a table, numbered Table 6, ***renumber*** *the rest of the tables as follows:*

- "**Table 6 — Operational tests**" in "**Table 7 — Operational tests**"
- "**Table 7 — Endurance tests**" in "**Table 8 — Endurance tests**"

8 Modification to 6.9.3 Slow input voltage change and input voltage range limits

Replace *the two last paragraphs by the following:*

For detectors of the grade dependent requirements according to Table 1, lower the supply voltage at a rate of 0,1 Vs^{-1} in steps of not more than 10 mV until a fault signal or message is generated. Carry out the basic detection test.

Pass/Fail Criteria: For detectors of the grade dependent requirements according to Table 1, the detector shall generate a fault signal or message according to the requirements of Table 2 prior to the situation where no intrusion signal or message is generated when the basic detection test is carried out.

9 Modification to 6.9.6 Total loss of power supply

Replace *the last paragraph by the following:*

Pass/Fail Criteria: The detector shall generate either signals or messages according to the requirements of Table 2. Alternatively, total loss of power supply may be determined by loss of communication with the detector by the CIE.

10 Modification to 6.10 Environmental classification and conditions

In the second paragraph, ***replace*** "Tables 6 and 7" *by* "Tables 7 and 8".