



## VdS Guidelines for Intruder Alarm Systems

# Control and Indicating Equipment (CIE) of classes B and C

## Requirements

### Amendment VdS 2252-S1en : 2006-12 (01): Revision of table 12.01 „Required indications“

#### **1.2 Validity;** *the clause 2.1 of VdS 2252 : 2003-12 will be amended with the following sentence:*

The guidelines VdS 2252en : 2003-06 (03) are applicable starting from 01. December 2006 only in connection with amendment VdS 2252-S1en : 2006-12 (01). For prolongations/changes of a certificate of a VdS-approved product the guidelines VdS 2252en : 2003-06 (03) are to be applied at the latest starting from 01 January 2008 only together with the amendment VdS 2252-S1en : 2006-12.

#### **12.1 Indications**

##### **12.1.1 Indications required,** *the table 12.01 of VdS 2252 : 2003-12 is replaced by the following table*

CIE shall at least dispose of the indications and respective performance features as shown in table 12.01. CIE may dispose of indications for additional operational conditions and signals/messages if these indications are separated (except concentrated indications) and if it is ensured that they do not negatively influence the alarm detection part.

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VdS 2252-S1en : 2006-12 (01)

Indications	Type of indication	Indication depending of the state of the IAS		Conditions for indications	Latching (freezing) of the indications	Restoring of latched visible indications (restoring audible indications: AL 2)
		external set	unset			
Function (Operation)	visible	(x)	X	At least presence of Ub	Not applicable	Not applicable
Alarm <sup>1)</sup>	visible	N	X	Alarm generated in external set state of IAS	After EA/RS	Manually after EA/RS by AL 2/AL 3 <sup>5)</sup>
Zone for intrusion signals/messages	visible	N	Xa	Response of a zone for IS	After EA/RS <sup>2)</sup>	Manually after EA/RS by AL 2/AL 3 <sup>5)</sup>
Signal/message of the monitoring of the CIE, ACE and the warning devices	visible and audible	N	X	Triggering of tamper monitoring	After each signal/ message	Manually by AL 3 only
Zone for tamper signals/messages	visible and audible	N	X	Triggering of a zone for TS	After each signal/ message	Manually by AL 3 only
Zone for hold-up signals/messages	visible	N	Xa <sup>6)</sup>	Triggering of a zone for HS	After EA/RS <sup>8)</sup>	Manually after EA/RS by AL 2/AL 3 <sup>5)</sup>
Signal/message of the monitoring of the interconnections <sup>3)</sup> as well as the monitoring of interconnection functions <sup>7)</sup>	visible and audible	N	X	Triggering of monitoring of interconnections acc. to clause 14	After triggering of monitoring (if own indicator is provided)	Manually by AL 3 only
Locked state monitoring	visible	N	Xa	Response of locked state monitoring	Not applicable	not applicable
Fault	visible and audible	N (except for system faults)	X	- Faults of the PS - Fault of central processing units	Not required	Manually by operator (AL 2) after end of fault <sup>3)</sup>
				- external faults - Fault ATS	After each signal/ message	Manually by operator (AL 2) after end of fault <sup>3)</sup>
				Tamper monitoring for CIE, WD and ACE, if not allocated to zone for TS	After each signal/ message	Manually by operator (AL 3)
Warning (class B CIE only <sup>7)</sup> )	visible	N	X	Warning signal/ message of a power supply	After each signal/message	Manually by operator (AL 2)
Third-party signal (class B CIE only <sup>7)</sup> )	visible and audible	N	X	Recognition of a third-party signal > 10 s (see clause 14.3)	After each signal/ message	Manually by operator (AL 2)
Setting confirmation	visible and/or audible	X <sup>4)</sup>	Not applicable	CIE accepted external set state	Not applicable	Not applicable

**Abbreviations used in table 12.01:**

ACE Ancillary control equipment	Nz Indication may not happen
AL Access level	PS Power Supply
ATS Alarm transmission system	RS Remote signalling
CIE Control an indicating equipment	TS Tamper signals/messages
EA External alarm	Ub Operation voltage
HS Hold-up signals/messages	WD Warning device
IAS Intruder alarm system	(x) Indication may occur
IS Intrusion signals/messages	X Indication shall occur automatically
	Xa Indication shall occur automatically or on request of the operator

**Footnotes to table 12.01:**

- <sup>1)</sup> Only required, if not all signals/messages can be indicated at the same time (e.g. for concentrated displays).
- <sup>2)</sup> After unsetting no further signals/messages shall be latched.
- <sup>3)</sup> The visible fault indications shall remain until the cause of the fault has been remedied. If the fault does no more exist, the audible fault indication may be restored automatically, however, it must be possible to restore it manually (AL 2). In this case a repeat of the signal for further faults shall be possible.
- <sup>4)</sup> Only time-limited recognisable nearby the ACE (maximal 30 s).
- <sup>5)</sup> Kind of restoring should be adjustable by installer at AL 2 or AL 3.
- <sup>6)</sup> If indication is processed automatically, the instruction manual should show clearly that the CIE is to be installed such that the indication is not visible for an intruder.
- <sup>7)</sup> Only for IAS with non-exclusive interconnections.
- <sup>8)</sup> For hold-up signals/messages an external alarm shall be generated only in exceptional cases, see clause 13.4.

**Table 12.01: Indications required**