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Alarm systems — Intrusion and hold-up systems

Part 12: Methods and requirements for setting and unsetting of Intruder Alarm Systems (IAS)

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National foreword

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European foreword

This document (CLC/TS 50131-12:2016) has been prepared by CLC/TC 79 "Alarm systems".

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Introduction

Unwanted alarms have been a significant problem for response authorities throughout Europe. A significant proportion of these are attributed to “operator error” during the entry and exit procedures. Recommendations are therefore made for the selection of methods of setting and unsetting an Intrusion Alarm System (IAS) that will minimize such errors.

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1 Scope

This Technical Specification provides recommendations for those methods of setting and unsetting an Intrusion Alarm System (IAS) complying with EN 50131-1 that will reduce unwanted alarms arising from “operator error” in setting and unsetting the IAS and provide confidence that the conditions in which the system is installed are conducive to system reliability during the “set” period.

This document details optional methods by which these goals may be achieved, either in isolation, or in conjunction with verification methods.

These recommendations should be incorporated into the respective standards in the EN 50131 series.

This Technical Specification also provides (in Annex A) recommendations for equipment and (in Annex C) associated test requirements, in order to permit the manufacture of standardized equipment to provide the functionality needed by an IAS to meet these recommendations.

NOTE This standard includes requirements that are additional to those in EN 50131-1 which are relevant when the respective method of setting and unsetting is implemented.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50131-1:2006, *Alarm systems — Intrusion and hold-up systems — Part 1: System requirements*

CLC/TS 50131-2-10:2014, *Alarm systems — Intrusion and hold-up systems — Part 2-10: Intrusion detectors — Lock state contacts (magnetic)*

EN 50131-3:2009, *Alarm systems — Intrusion and hold-up systems — Part 3: Control and indicating equipment*

FprEN 50131-5-3:2016, *Alarm systems — Intrusion systems — Part 5-3: Requirements for interconnections equipment using radio frequency techniques*

CLC/TS 50131-9:2014, *Alarm systems — Intrusion and hold-up systems — Part 9: Alarm verification — Methods and principles*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
unverified alarm
intruder or hold-up alarm that has not yet been sequentially, visually or audibly verified

[SOURCE: CLC/TS 50131-9: 2014, 3.1.14]

3.2
verified alarm
alarm considered genuine as a result of the use of alarm verification

[SOURCE: CLC/TS 50131-9: 2014, 3.1.16]

3.3
lock state monitoring device
apparatus which monitors the bolt position of a locking device, e.g. a bolt contact or a lock state contact as described in CLC/TS 50131-2-10

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