STN	Poplachové systémy. Elektrické zabezpečovacie a tiesňové systémy. Časť 9: Overenie poplachu. Metódy a zásady.	STN P CLC/TS 50131-9
		33 4591

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/15

Obsahuje: CLC/TS 50131-9:2014

TECHNICAL SPECIFICATION

CLC/TS 50131-9

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

June 2014

ICS 13.320

English Version

Alarm systems - Intrusion and hold-up systems - Part 9: Alarm verification - Methods and principles

Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 9: Vérification d'alarme - Méthodes et principes

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 9: Alarmvorprüfung - Verfahren und Grundsätze

This Technical Specification was approved by CENELEC on 2014-04-11.

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Foreword

This document (CLC/TS 50131-9:2014) has been prepared by CLC/TC 79 "Alarm systems".

EN 50131 (all parts) will consist of the following parts, under the general title *Alarm systems – Intrusion and hold-up systems*:

Part 1	System requirements		
Part 2-2	Intrusion detectors – Passive infrared detectors		
Part 2-3	Requirements for microwave detectors		
Part 2-4	Requirements for combined passive infrared and microwave detectors		
Part 2-5	Requirements for combined passive infrared and ultrasonic detectors		
Part 2-6	Opening contacts (magnetic)		
Part 2-7-1	Intrusion detectors – Glass break detectors (acoustics)		
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Part 2-8	Intrusion detectors – Shock detectors		
Part 2-9 1)	Intrusion detectors – Active infrared detectors		
Part 3	Control and indicating equipment		
Part 4	Warning devices		
Part 5-1 1)	Requirements for wired interconnection for I&HAS equipments located in supervised premises		
Part 5-3	Requirements for interconnections equipment using radio frequency techniques		
Part 5-4	System compatibility testing for I&HAS equipments located in supervised premises		
Part 6	Power supplies		
Part 7	Application guidelines		
Part 8	Security fog device/systems		
Part 9	Alarm verification – Methods and principles		
Part 10	Application specific requirements for Supervised Premises Transceiver (SPT)		

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

¹⁾ At draft stage.

Introduction

Unwanted alarms have been a significant problem for response authorities throughout Europe. Alarm verification (also known as "Confirmation") is one means developed to reduce this problem.

Development of alarm verification technologies has been carried out nationally on an "as needed" basis, resulting in different methods and practices being used – thus negating the benefits of having common European Standards for Intrusion and Hold-up Alarm Systems (I&HAS) and associated components.

This specification provides a basis for use of the technology that could be applied to verification of intruder and hold-up alarms such that countries that wish to do so could introduce alarm verification measures in a way that will permit later standardisation across Europe.

It provides a framework with limited options for the design, manufacture and testing of equipment (especially CIE) whilst enabling a multiplicity of implementations, thus removing the restrictions to trade imposed by the use of conflicting national recommendations.

The framework includes all methods in current use. Newly developed methods could be added to this specification, or its principles used to derive guidance for the implementation of such methods.

Alarm verification technology does not supersede the need for best practice in the design and installation of such systems, but supplements the requirements of EN 50131-1 in order to increase the probability that an alarm notified to an ARC by an Intrusion and Hold-up Alarm System may be considered to be genuine.

This European Technical Specification contains recommendations affecting a number of standards and application guidelines for both systems and products. There are a number of reasons for this:

- to group all relevant recommendations in a single document to simplify reference by those wishing to introduce an implementation of alarm verification;
- to allow alarm verification to be tested before review and eventual incorporation into European Standards;
- to recommend the additional product requirements necessary to provide the additional functionality for an installed I&HAS to meet these recommendations (see Annex A), pending incorporation of these recommendations into EN 50131 (or other) product standards;
- it should also be noted that some aspects of alarm verification do not have a related standard (e.g. audible and visual methods and related equipment).

Methods of reducing unwanted alarms specific to entry and exit procedures will be detailed in a future standard.

1 Scope

This European Technical Specification is available for use where alarm verification methods are considered necessary. It provides recommendations for the addition and use of alarm verification technology in Intrusion and Hold-up Alarm Systems (I&HAS) installed to comply with EN 50131-1.

These recommendations should be incorporated into the respective standards in the EN 5013x series.

This Technical Specification does not detail methods of alarm verification relying solely on Alarm Receiving Centre (ARC) procedures, but does not preclude their use.

This Technical Specification describes alarm verification methods that could be applied and details applicable to system and equipment design. The framework limits the range of options in order to provide for local regulations and circumstances, whilst permitting a standardised approach to equipment design.

This Technical Specification also provides (in Annex A) recommendations for equipment in order to permit the manufacture of standardised equipment to provide the functionality needed by an I&HAS incorporating alarm verification technology.

The associated guidelines for use in ARCs to monitor notification from such I&HAS can be found in EN 50518-3.

NOTE Alarm verification may also be referred to as "alarm confirmation".

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 50131-7:2010, Alarm systems — Intrusion and hold-up systems — Part 7: Application guidelines

EN 50136-1, Alarm systems — Alarm transmission systems and equipment — Part 1: General requirements for alarm transmission systems

EN 50518-3:2013, Monitoring and alarm receiving centre — Part 3: Procedures and requirements for operation

koniec náhľadu – text ďalej pokračuje v platenej verzii STN