Irish Standard
S.R. CLC/TS 50398:2009

Alarm systems - Combined and integrated alarm systems - General requirements

S.R. CLC/TS 50398:2009

Incorporating amendments/corrigenda issued since publication:

This document replaces:	*This document is based on:*	*Published:*
I.S. EN CLC/TS 50398:2003	CLC/TS 50398:2009 CLC/TS 50398:2002	26 February, 2009 28 February, 2003

This document was published under the authority of the NSAI and comes into effect on:
9 June, 2009

ICS number:
13.320

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Údarás um Chaighdeáin Náisiúnta na hÉireann

S.R. CLC TS 50398:2009

TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

CLC/TS 50398

February 2009

ICS 13.320

Supersedes CLC/TS 50398:2002

English version

Alarm systems - Combined and integrated alarm systems - General requirements

Systèmes d'alarme - Systèmes d'alarme combinés et intégrés - Règles générales

Alarmanlagen - Kombinierte und integrierte Alarmanlagen - Allgemeine Anforderungen

This Technical Specification was approved by CENELEC on 2008-11-14.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

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CENELEC

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

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Ref. No. CLC/TS 50398:2009 E

Foreword

This Technical Specification was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

The text of the draft was circulated for voting in accordance with the CEN/CENELEC Internal Regulations, Part 2, Subclause 11.3.3.3 and was approved by CENELEC as CLC/TS 50398 on 2008-11-14.

This Technical Specification supersedes CLC/TS 50398:2002.

The following date was fixed:

– latest date by which the existence of the CLC/TS has to be announced at national level (doa) 2009-05-14

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Contents

Introduction

This Technical Specification describes the general requirements and configuration types for combined and integrated alarm systems which shall apply when one or more of the applications being integrated is an alarm application. In this document, the wording 'combined and integrated alarm system' is synonymous with 'integrated alarm system', which will mostly be used in the document.

The prime considerations of this Technical Specification are to ensure that the individual alarm standards, requirements or guidelines are applied when they form a part of an integrated system solution with each other or with other (specified or unspecified) applications.

This document provides additional information relating to initial system design, planning, installation, commissioning, operation and maintenance for such combined and integrated alarm systems.

1 Scope

This Technical Specification specifies the requirements for alarm systems combined and integrated with other systems which may or may not be alarm systems.

This Technical Specification defines requirements, related to integration, in order to complement the individual alarm application standards and to provide clarification where there is conflict.

Alarm transmission systems are excluded from the scope of this Technical Specification.

2 Normative references

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

EN 54 series, *Fire detection and fire alarm systems*

EN 50130 series, *Alarm systems*

EN 50131 series, *Alarm systems – Intrusion and hold-up systems*

EN 50132 series, *Alarm systems – CCTV surveillance systems for use in security applications*

EN 50133 series, *Alarm systems – Access control systems for use in security applications*

EN 50134 series, *Alarm systems – Social alarm systems*

EN 50136 series, *Alarm systems – Alarm transmission systems and equipment*

EN 60073:2002, *Basic and safety principles for man-machine interface, marking and identification – Coding principles for indicators and actuators* (IEC 60073:2002)

3 Definitions

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

3.1
additional facility
facility which is not standard-required by any of the applications of the integrated alarm system

3.2
alarm
warning of the presence of a hazard to life, property or the environment

3.3
alarm application
application intended for the protection of life, property or the environment, such as

– intrusion and hold-up alarm system,
– social alarm system,
– lift alarm system
– environmental alarm system,
– closed circuit television used for security and surveillance,
– access control system,
– fire detection, fire alarm and fire protection systems

NOTE 1 This list may be extended, to follow the scope of CLC/TC 79 and CEN/TC 72.

NOTE 2 Examples of an environmental alarm may include a warning of toxic effluent leaking or a storage tank about to overflow.