



NSAI
Standards

Irish Standard
I.S. EN 50136-3:2013

Alarm systems - Alarm transmission systems and equipment -- Part 3: Requirements for Receiving Centre Transceiver (RCT)

I.S. EN 50136-3:2013

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English version

Alarm systems -
Alarm transmission systems and equipment -
Part 3: Requirements for Receiving Centre Transceiver (RCT)

Systèmes d'alarme -
Systèmes et équipements de transmission
d'alarme -
Partie 3: Exigences pour les transmetteurs
du centre de réception (RCT)

Alarmanlagen -
Alarmübertragungsanlagen und -
einrichtungen -
Teil 3: Anforderungen an
Übertragungszentralen (ÜZ)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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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 50136-3:2013) has been prepared by CLC/TC 79 "Alarm systems".

The following dates are proposed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-08-12
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-08-12

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.

EN 50136 consists of the following parts, under the general title, *Alarm systems — Alarm transmission systems and equipment*:

- *Part 1: General requirements for alarm transmission systems*;
- *Part 2: Requirements for Supervised Premises Transceiver (SPT)*;
- *Part 3: Requirements for Receiving Centre Transceiver (RCT)*;
- *Part 4: Annunciation equipment used in alarm receiving centres* (Technical Specification);
- *Part 7: Application guidelines* (Technical Specification);
- *Part 9: Requirements for common protocol for alarm transmission using the Internet protocol* (Technical Specification).

1 Scope

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the receiving centre transceiver (RCT) installed in ARC and used in alarm transmission systems.

The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages. The term alarm message is used in this broad sense throughout the document.

Where application specific standards exist, the RCT should comply with relevant standards called up by that application.

The RCT can be either an integrated element of any receiving/annunciation equipment, or a stand-alone device. In either case, the requirements of this European Standard should apply.

The function of the RCT is to monitor the ATPs, receive alarm messages, forward alarm messages to one or more AEs and send acknowledgements to the SPTs.

Management of the transmission network is not in the scope of this European Standard.

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 50130-4, *Alarm systems — Part 4: Electromagnetic compatibility — Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems*

EN 50130-5, *Alarm systems — Part 5: Environmental test methods*

EN 50136-1:2012, *Alarm systems — Alarm transmission systems and equipment — Part 1: General requirements for alarm transmission systems*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50136-1:2012 and the following apply.

3.1

remote access

access to the equipment from any location that is outside the protected premises in which the equipment is located

4 Object

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the Receiving Centre Transceiver (RCT) installed in alarm receiving centres and to define parameters that shall be tested to ensure its compatibility with ATS categories.

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