



BSI Standards Publication

Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods

Part 28: Remote alarm on passenger and goods passenger lifts

National foreword

This British Standard is the UK implementation of EN 81-28:2018. It supersedes BS EN 81-28:2003, which will be withdrawn on 31 August 2019.

The UK participation in its preparation was entrusted to Technical Committee MHE/4, Lifts, hoists and escalators.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 93704 0

ICS 13.320; 91.140.90

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2018.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD

EN 81-28

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2018

ICS 13.320; 91.140.90

Supersedes EN 81-28:2003

English Version

**Safety rules for the construction and installation of lifts
- Lifts for the transport of persons and goods - Part 28:
Remote alarm on passenger and goods passenger lifts**

Règles de sécurité pour la construction et
l'installation des ascenseurs - Élévateurs pour le
transport de personnes et d'objets - Partie 28 :
Téléalarme pour ascenseurs et ascenseurs de charge

Sicherheitsregeln für die Konstruktion und
den Einbau von Aufzügen - Aufzüge für den
Personen- und Gütertransport - Teil 28: Fern-
Notruf für Personen- und Lastenaufzüge

This European Standard was approved by CEN on 15 February 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. 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 CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Safety requirements and/or protective measures	7
4.1 General	7
4.1.1 Introduction	7
4.1.2 Alarms	7
4.1.3 End of alarm	7
4.1.4 Emergency electrical power supply	7
4.1.5 Information in the lift car	8
4.1.6 Alarm filtering	9
4.1.7 Identification	9
4.1.8 Communication	9
4.2 Technical characteristics	9
4.2.1 Availability / reliability	9
4.2.2 Electrical interface	10
4.2.3 Alarm initiation device	10
4.2.4 Accessibility to alarm equipment	10
4.2.5 Modification of parameters	10
5 Information	10
5.1 Information to be provided with the alarm system	10
5.2 Information to be provided with the lift	10
5.3 Information to be provided by the owner of the installation to the rescue service	11
6 Verification of the safety requirements and/or protective measures	11
6.1 Technical compliance documentation	11
6.2 Verification of design	11
6.3 Examinations and tests before putting into service	12
6.3.1 General	12
6.3.2 Alarm (4.1.2)	12
6.3.3 End of alarm (4.1.3)	12
6.3.4 Emergency electrical power supply (4.1.4), if applicable	12
6.3.5 Information in the lift car (4.1.5)	13
6.3.6 Communication (4.1.8)	13
7 Marking	13
Annex A (normative) Typical 2-way communication between lift(s) and rescue service	14
Annex B (informative) General information for the operation of rescue services	15
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2014/33/EU aimed to be covered	17
Bibliography	18