

BS EN 13321-1:2012



BSI Standards Publication

Open data communication in building automation, controls and building management — Home and building electronic system

Part 1: Product and system requirements

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National foreword

This British Standard is the UK implementation of EN 13321-1:2012. It supersedes BS EN 13321-1:2006 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RHE/16, Performance requirements for control systems.

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.

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

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English Version

**Open data communication in building automation, controls and
building management - Home and building electronic system -
Part 1: Product and system requirements**

Réseau ouvert de communication de données pour
l'automatisation, la régulation et la gestion technique du
bâtiment - Systèmes électroniques pour la maison et le
bâtiment - Partie 1: Spécification des produits et des
systèmes

Offene Datenkommunikation für die Gebäudeautomation
und Gebäudemanagement - Elektrische Systemtechnik für
Heim und Gebäude - Teil 1: Produkt- und
Systemanforderungen

This European Standard was approved by CEN on 17 August 2012.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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Foreword

This document (EN 13321-1:2012) has been prepared by Technical Committee CEN/TC 247 "Building Automation, Controls and Building Management", the secretariat of which is held by SNV.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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

This document supersedes EN 13321-1:2006.

Compared to the previous version (EN 13321-1:2006), the following changes have been made:

- a) Clause 2 "Normative references" has been added;
- b) references to the EN 50090 series have been updated;
- c) the new EN 50491 series has been added to the references;
- d) EN 50090-6 has been deleted from Clause 3 "Requirements";
- e) the references to EN 50090 series and EN 50491 series in Annex A and Annex C have been updated;
- f) reference to EN 50090-1 was deleted in Annex D, it is now included in Annex C.

CEN/TC 247, "Building Automation, Controls and Building Management", in collaboration with CENELEC/TC 205 "Home and Building Electronic Systems (HBES)" and its co-operation partner KNX Association, has prepared this document to reference the relevant parts of EN 50090 series. Furthermore, it is also a CEN/TC 247 specification and intended to extend their area of application to Building, Automation and Control Systems (BACS). The patent rights concern mainly series EN 50090. Each part of EN 50090 concerned has patent right information in its Foreword, and for each part concerned, CCMC has received patent right declarations by KNX Association.

EN 13321, *Open data communication in building automation, controls and building management — Home and building electronic system* consists of the following parts:

- *Part 1: Product and system requirements* (the present document);
- *Part 2: KNXnet/IP communication*.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.