



Handbook for Home and Building Control

Basic Principles

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Foreword

Higher demands placed on the security, flexibility and convenience of electrical installations combined with the need to minimise energy requirements have already led to the development of building management systems based on the European Installation Bus (EIB) at the beginning of the 1990s. A similar development with the same goals was running in the French-speaking areas in particular and led to the development of the Batibus. The European Home Systems Association (EHSA) in turn was already working on the principles of networking household appliances (white goods).

The KNX Association was formed to achieve a common worldwide standard. This merger of the previous associations smoothed the way to the KNX standard. KNX is worldwide the only open STANDARD for Home- and Building Control fulfilling the ISO/IEC (14543) as well as the CENELEC (EN50090) and also the CEN (13321) requirements.

This „Handbook for Home and Building Control, Basic Principles“ is an essential element in the implementation of the concept. Craftsmen, planners, wholesalers and operators are introduced to the system and the principal applications on a neutral basis and are also informed about the essential issues of planning, installation, commissioning and expansion.

The fifth edition of the „Handbook for Home and Building Control, Basic Principles“ takes into account the extended possibilities of the KNX system in applications, products and functions. There is additional market potential for manufacturers of hardware and software, electrical wholesalers as well as electrotechnical and IT trades. Practical examples of applications can be found in the document „Handbook for Home and Building Control, Applications“ which is published separately.

In writing this handbook, we would like to extend our thanks to all the employees involved in the ZVEI/ZVEH „Handbook“ and „Training measures“ work groups whose commitment and competence enabled our common concept to be realised.

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