



ASHRAE ADDENDA

Specifying Direct Digital Control Systems

Approved by the ASHRAE Standards Committee on January 29, 2011 and by the ASHRAE Board of Directors on February 2, 2011.

These addenda were approved by a Standing Guideline Project Committee (SGPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE Web site (www.ashrae.org) or in paper form from the Manager of Standards.

The latest edition of an ASHRAE Guideline may be purchased on the ASHRAE Web site (www.ashrae.org) or from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: orders@ashrae.org. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in US and Canada). For reprint permission, go to www.ashrae.org/permissions.

© 2011 American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

ISSN 1049-894X

**American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.**
1791 Tullie Circle NE, Atlanta, GA 30329
www.ashrae.org

ASHRAE Standing Guideline Project Committee 13
Cognizant TC: TC 1.4, Control Theory and Application
SPLS Liaison: Bryon W. Jones

Damian Ljungquist, *Chair**
Chariti A. Young, *Vice-Chair**
Kimberly A. Barker*
David L. Brooks*
Kenneth L. Gillespie, Jr.*
Philip Haves

John A. Hendrix, Jr.*
David B. Kahn*
James R. Kelley*
Kristopher L. Kinney*
Gideon Shavit*
David M. Underwood
Grant N. Wichenko*

**Denotes members of voting status when the document was approved for publication*

ASHRAE STANDARDS COMMITTEE 2010–2011

H. Michael Newman, *Chair*
Carol E. Marriott, *Vice-Chair*
Douglass S. Abramson
Karim Amrane
Robert G. Baker
Hoy R. Bohanon, Jr.
Steven F. Bruning
Kenneth W. Cooper
Martin Dieryckx
Allan B. Fraser

Krishnan Gowri
Maureen Grasso
Cecily M. Grzywacz
Richard L. Hall
Nadar R. Jayaraman
Byron W. Jones
Jay A. Kohler
Frank Myers

Janice C. Peterson
Douglas T. Reindl
Boggarm S. Setty
James R. Tauby
James K. Vallort
William F. Walter
Michael W. Woodford
Craig P. Wray
Hugh F. Crowther, *BOD ExO*
William P. Bahnfleth, *CO*

Stephanie Reiniche, *Manager of Standards*

SPECIAL NOTE

This Guideline was developed under the auspices of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). ASHRAE Guidelines are developed under a review process, identifying a guideline for the design, testing, application, or evaluation of a specific product, concept, or practice. As a guideline it is not definitive but encompasses areas where there may be a variety of approaches, none of which must be precisely correct. ASHRAE Guidelines are written to assist professionals in the area of concern and expertise of ASHRAE's Technical Committees and Task Groups.

ASHRAE Guidelines are prepared by project committees appointed specifically for the purpose of writing Guidelines. The project committee chair and vice-chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Guideline.

Development of ASHRAE Guidelines follows procedures similar to those for ASHRAE Standards except that (a) committee balance is desired but not required, (b) an effort is made to achieve consensus but consensus is not required, (c) Guidelines are not appealable, and (d) Guidelines are not submitted to ANSI for approval.

The Manager of Standards of ASHRAE should be contacted for:

- a. interpretation of the contents of this Guideline,
- b. participation in the next review of the Guideline,
- c. offering constructive criticism for improving the Guideline, or
- d. permission to reprint portions of the Guideline.

DISCLAIMER

ASHRAE uses its best efforts to promulgate Standards and Guidelines for the benefit of the public in light of available information and accepted industry practices. However, ASHRAE does not guarantee, certify, or assure the safety or performance of any products, components, or systems tested, installed, or operated in accordance with ASHRAE's Standards or Guidelines or that any tests conducted under its Standards or Guidelines will be nonhazardous or free from risk.

ASHRAE INDUSTRIAL ADVERTISING POLICY ON STANDARDS

ASHRAE Standards and Guidelines are established to assist industry and the public by offering a uniform method of testing for rating purposes, by suggesting safe practices in designing and installing equipment, by providing proper definitions of this equipment, and by providing other information that may serve to guide the industry. The creation of ASHRAE Standards and Guidelines is determined by the need for them, and conformance to them is completely voluntary.

In referring to this Standard or Guideline and in marking of equipment and in advertising, no claim shall be made, either stated or implied, that the product has been approved by ASHRAE.

(This foreword is not a part of this guideline. It is merely informative and does not contain requirements necessary for conformance to the guideline.)

FOREWORD

This addendum adds BACnet® Testing Laboratories (BTL) listing for advanced application controllers in Section 8.7.8.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum f to Guideline 13-2007

[Insert the following paragraph in Section 8.7.8, page 48, immediately after specification Section 2.6.A.6, as shown below.]

BACnet Testing Laboratories were established to support compliance testing and interoperability testing activities to products that use the BACnet protocol. BACnet Testing Laboratories ensure that standardized BACnet devices meet the specified BACnet capabilities and interoperability as defined in ASHRAE Standard 135, Annex L, "Descriptions and Profiles of Standardized BACnet Devices."

BACnet allows...

[Add Item 7 after Item 6 in specification Section 2.6.A.]

7. The advanced application controller shall be listed by or submitted for testing to an official BACnet Testing Laboratory as being compliant with the standardized BACnet device capabilities for a BACnet Advanced Application Controller (B-AAC). The Advanced Application Controller shall display the BTL Mark label.
