ADDENDA

ANSI/ASHRAE/IES Addendum dp to
ANSI/ASHRAE/IES Standard 90.1-2013

Energy Standard for Buildings Except Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee on June 25, 2016; by the ASHRAE Technology Council on June 29, 2016; by the IES Board of Directors on June 27, 2016; and by the American National Standards Institute on June 30, 2016.

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FOREWORD

The restricted partial auto ON requirement in Section 9.4.1.1(c) is intended to save energy with older control technologies by limiting how much light is turned on in spaces when either occupants are not present in an entire large space or occupants in smaller spaces do not want or need all of the light. However, this requirement inhibits the use of newer fully automated lighting control systems that are designed for use in larger open office areas and are designed to restrict full ON lighting use to only those spaces in a large office area that are occupied. These newer systems have been shown to save approximately 20% over traditional controls for open office areas. This addendum provides an exemption to the restricted partial automatic ON requirement so that these newer systems can be used in open offices to save energy. These new office lighting systems incorporate sensing and control capabilities with sophisticated algorithms specifically for open plan offices that turn lights off in smaller unoccupied areas, automatically saving additional energy.

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

Addendum dp to 90.1-2013

Revise the standard as follows (I-P and SI):

9.4.1.1 Interior Lighting Controls.

……..

c. *Restricted to partial automatic ON:* No more than 50% of the lighting power for the general lighting shall be allowed to be automatically turned on, and none of the remaining lighting shall be automatically turned on.

Exception to 9.4.1.1(c):

Lighting in open-plan office spaces shall be allowed to turn on automatically to more than 50% provided the control zone is no larger than 600 ft^2 (56 m^2).

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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