



**BSR/ASHRAE/IES Addendum j  
to ANSI/ASHRAE/IES Standard 90.1-2025**

**Public Review Draft**

# **Proposed Addendum j to Standard 90.1-2025, Energy Standard for Sites and Buildings Except Low- Rise Residential Buildings**

**First Public Review (June 2026)  
(Draft Shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://www.ashrae.org/standards-research--technology/public-review-drafts) and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

## FOREWORD

*This Addendum updates section 8.4.2 to provide greater clarity for branch circuits designated to control electrical receptacles and resolve earlier public comments received during the first public review of the ASHRAE/IES 90.1-2022 Addendum dg.*

*The addendum also addresses official interpretation requests regarding the terminology and definition of “workstation” and its applicability to the list of spaces required to install automatic receptacle controls.*

*To be more compatible with the changing nature of office furnishings, the word “workstation” has been replaced with “furniture with receptacles”. Additionally, control of receptacles within office furniture is clarified to apply only to offices greater than 300 square feet (28 square meters).*

*These changes and clarifications do not change the standard’s stringency or efficiency. Therefore, no cost-effective study was conducted.*

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]*

## Addendum j to 90.1-2025

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Add the following changes to section 8.4.2 and update subsequent sections

[...]

**8.4.2 Automatic Receptacle Control.** Automatic receptacle controls shall comply with the following:

- a. In ~~private~~ offices, ~~open offices~~, conference rooms, rooms used primarily for printing or copying functions, break rooms, and classrooms, and individual workstations, 50% or more of the single-phase alternating current receptacles rated at 20 amps or less shall be *automatically* controlled in accordance with Section 8.4.2.1.
- b. In offices greater than 300 ft<sup>2</sup> (28 m<sup>2</sup>) 50% or more of the single-phase alternating current receptacles in furniture permanently connected to *branch circuits* shown on the *construction documents* shall be *automatically* controlled in accordance with Section 8.4.2.1.
- c. In offices greater than 300 ft<sup>2</sup> (28 m<sup>2</sup>) where furniture containing receptacles is not shown on

the construction documents, ~~N~~not less than 25% of the branch circuits designated for furniture with receptacles, ~~installed for receptacle outlets in modular furniture not shown on the construction documents~~, shall be *automatically* controlled in accordance with Section 8.4.2.1.

d. Plug-in devices shall not be used to comply with Section 8.4.2.

e. All *automatically* controlled receptacles shall be permanently marked to visually differentiate them from uncontrolled receptacles and shall be uniformly distributed throughout the *space*.

f. Controlled receptacles shall be one of the following:

1a. Split controlled duplex receptacles with the top or left receptacle controlled.

2b. Installed within 6 ft of each uncontrolled receptacle.

**Exceptions to 8.4.2:** Receptacles for the following shall not require an *automatic control device*:

1. Receptacles specifically designated for *equipment* requiring 24/7 continuous operation.
2. *Spaces* where an *automatic* control would endanger the safety or security of the room or *building* occupants.

**8.4.2.1 Automatic Receptacle Control Function:** *Automatically* controlled receptacles or branch circuits used to control receptacles, shall not be controlled by *manual lighting controls*, except as permitted by Section 8.4.2.1(a). *Automatically* controlled receptacles or branch circuits used to control receptacles, shall be controlled by one or more of the following:

- a. a time-of-day operated *control device* that turns receptacles off when the *space(s)* is scheduled to be unoccupied. An independent program schedule shall be provided for controlled areas of no more than 5,000 ft<sup>2</sup> (465 m<sup>2</sup>) and for not more than one floor. The occupant shall be able to manually override the *control device* for up to two hours;
- b. an *occupancy sensor* that turns receptacles off within 15 minutes of all occupants leaving a *space*;  
or
- c. an automated signal from another *control* or alarm system that turns receptacles off within 15 minutes after determining that the area is unoccupied.

[...]