BSR/ASHRAE/IES Addendum dg
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum dg to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (August 2025)
(Draft Shows Proposed Changes to Current Standard)

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FOREWORD

This addendum addresses interpretations received. This addendum re-organizes the existing text for clarity. This addendum changes the timeout to match the lighting occupancy sensor time out revisions already published.

A cost effectiveness analysis was not conducted as this does not increase costs.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (for additions) and ~~strikethrough~~ (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 dg to 90.1-2022

3.3 Abbreviations

…

24/7	24 hours per day, 7 days per week

[…]

8.4.2 Automatic Receptacle Control. ~~The following shall be *automatically* controlled:~~

~~a. At least 50% of all 125 V, 15 and 20 amp receptacles in all~~ In private offices, open offices, conference rooms, rooms used primarily for printing ~~and/~~or copying functions, break rooms, classrooms, and individual workstations, 50% or more of single-phase alternating current receptacles rated at 20 amps or less shall be *automatically* controlled in accordance with Section 8.4.2.1.

~~b. At least~~ Not less than 25% of *branch* ~~*circuit*~~ *circuits,* ~~feeders~~ 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.

~~This control shall function on~~

~~a. a scheduled basis using a time-of-day operated *control device* that turns receptacles off at specific programmed times — an independent program schedule shall be provided for controlled areas of no more than 5000 ft² and 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 shall turn receptacles off within 20 minutes of all occupants leaving a *space*; or~~

~~c. an automated signal from another control or alarm *system* that shall turn receptacles off within 20 minutes after determining that the area is unoccupied.~~

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

Plug-in devices shall not be used to comply with Section 8.4.2. All *automatically* controlled receptacles shall be permanently marked to visually differentiate them from uncontrolled receptacles and shall be uniformly distributed throughout the *space*. Controlled receptacles shall be one of the following:

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

b. Installed within six feet 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 ~~(24/day, 365 days/year).~~
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 shall not be controlled by *manual* lighting *controls*, except as permitted by Section 8.4.2.1(a). *Automatically* controlled 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 5000

ft^2 (465 m^2) 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*;

c. an automated signal from another *control* or alarm system that turns receptacles off within 15 minutes after determining that the area is unoccupied.