

Public Review Draft

Proposed Addendum I to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

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

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Foreword

Residential thermostat technology has developed further and become more widespread since it was introduced into ASHRAE 189.1. This addendum revises the thermostat measure by removing the jurisdiction option and by updating the reference for qualifying thermostats. ENERGY STAR smart thermostats are a combination of hardware and service. Enrollment in the service is not required by this section.

[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 I to 189.1-2023

Modify Table 4.2 by striking the Jurisdictional Option

7.4.7.3	Programmable Thermostats	<input type="checkbox"/> No
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Modify Section 7.4.7.3

7.4.7.3 [JO] Programmable Residential Thermostats in Dwelling Units. ~~Residential programmable thermostats shall meet the requirements of NEMA Standards Publication DC 3, Annex A, “Energy Efficiency Requirements for Programmable Thermostats,” or the requirements of the ENERGY STAR Program Requirements for Connected Thermostat Products. Thermostats installed in *dwelling units* shall be identified by the “ENERGY STAR Certified Smart Thermostat” list.~~

Modify Section 11 Normative References as follows:

National Electrical Manufacturers Association (NEMA) 1300 North 17th Street, Suite 900 Rosslyn, VA 22209, United States 1-703-841-3200; www.nema.org		
NEMA 77-2017	Standard for Temporal Light Artifacts: Test Methods and Guidance for Acceptance Criteria	8.9.4.2
NEMA DC 3, Annex A 2013	Energy Efficiency Requirements for Programmable Thermostats	7.4.7.3
NEMA SSL 7A-2015 (R2021)	Phase-Cut Dimming for Solid State Lighting—Basic Compatibility	8.9.1

United States Environmental Protection Agency (USEPA) 1200 Pennsylvania Avenue, NW Washington, DC 20460, United States www.epa.gov ENERGY STAR® (www.energystar.gov) WaterSense (www.epa.gov/watersense)		
Version 1.0, December 23, 2016	ENERGY STAR Program Requirements for Connected Thermostat Products	7.4.7.3
ENERGY STAR Certified Smart Thermostat list (as of 1.14.2025)	https://www.energystar.gov/productfinder/product/certified-connected-thermostats/results	7.4.7.3