

**Department of Energy**

**§ 431.226**

TEST PROCEDURES [RESERVED]

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ENERGY CONSERVATION STANDARDS

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**§ 431.196 Energy conservation standards and their effective dates.**

(a) *Low Voltage Dry-Type Distribution Transformers.* The efficiency of a low voltage dry-type distribution transformer manufactured on or after January 1, 2007, shall be no less than the following:

Single phase efficiency		Three phase efficiency	
kVA	Low voltage	kVA	Low voltage
15 .....	97.7	15	97.0
25 .....	98.0	30	97.5
37.5 .....	98.2	45	97.7
50 .....	98.3	75	98.0
75 .....	98.5	112.5	98.2
100 .....	98.6	150	98.3
167 .....	98.7	225	98.5
250 .....	98.8	300	98.6
333 .....	98.9	500	98.7
		750	98.8
		1000	98.9

(Source: Table 4-2 of National Electrical Manufacturers Association (NEMA) Standard TP-1-2002, "Guide for Determining Energy Efficiency for Distribution Transformers.")

(b) *Liquid-Immersed Distribution Transformers.* [Reserved]

(c) *Medium Voltage Dry-Type Distribution Transformers.* [Reserved]

**Subpart L—Illuminated Exit Signs**

SOURCE: 70 FR 60417, Oct. 18, 2005, unless otherwise noted.

**§ 431.201 Purpose and scope.**

This subpart contains energy conservation requirements for illuminated exit signs, pursuant to Part B of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6291-6309.

**§ 431.202 Definitions concerning illuminated exit signs.**

*Illuminated exit sign* means a sign that—

- (1) Is designed to be permanently fixed in place to identify an exit; and
- (2) Consists of an electrically powered integral light source that—
  - (i) Illuminates the legend "EXIT" and any directional indicators; and
  - (ii) Provides contrast between the legend, any directional indicators, and the background.

**§ 431.206 Energy conservation standards and their effective dates.**

An illuminated exit sign manufactured on or after January 1, 2006, shall have an input power demand of 5 watts or less per face.

**Subpart M—Traffic Signal Modules and Pedestrian Modules**

SOURCE: 70 FR 60417, Oct. 18, 2005, unless otherwise noted.

**§ 431.221 Purpose and scope.**

This subpart contains energy conservation requirements for traffic signal modules and pedestrian modules, pursuant to Part B of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6291-6309.

**§ 431.222 Definitions concerning traffic signal modules and pedestrian modules.**

*Pedestrian module* means a light signal used to convey movement information to pedestrians.

*Traffic signal module* means a standard 8-inch (200 mm) or 12-inch (300 mm) traffic signal indication that—

- (1) Consists of a light source, a lens, and all other parts necessary for operation; and
- (2) Communicates movement messages to drivers through red, amber, and green colors.

TEST PROCEDURES [RESERVED]

ENERGY CONSERVATION STANDARDS

**§ 431.226 Energy conservation standards and their effective dates.**

Any traffic signal module or pedestrian module manufactured on or after January 1, 2006, shall meet both of the following requirements:

- (a) Have a nominal wattage no greater than:

	Maximum wattage (at 74 °C)	Nominal wattage (at 25 °C)
Traffic Signal Module Type:		
12" Red Ball .....	17	11
8" Red Ball .....	13	8
12" Red Arrow .....	12	9