



**The City of Crystal Lake Illinois**

**AN ORDINANCE AMENDING CHAPTER 230: ELECTRICAL CODE OF THE CODE OF ORDINANCES OF THE CITY OF CRYSTAL LAKE, ILLINOIS**

**BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRYSTAL LAKE** as follows:

**SECTION I:** That Chapter 230: Electrical Code be amended to read as follows:

**Chapter 230: Electrical Code**

[HISTORY: Adopted by the City Council of the City of Crystal Lake 1-19-1993 as amended 12-17-2002 by Ord. No. 5593 (Art. III, Ch. II, Section B, of the 1993 Code); amended in its entirety 6-17-2008 by Ord. No. 6370. Subsequent amendments noted where applicable.]

**GENERAL REFERENCES**

Building Code — See Ch. 187.  
Existing Building Code — See Ch. 239.  
Fees — See Ch. 241.  
Fire Code — See Ch. 251  
Mechanical Code — See Ch. 336.  
Plumbing Code — See Ch. 392.  
Residential Code — See Ch. 422.

**§ 230-1. Adoption of standards by reference.**

The National Electrical Code, 2017 Edition, as amended by § 230-2 of this chapter, published by the National Fire Protection Association, Quincy, Massachusetts, shall be and is hereby adopted by reference as the Electrical Code for the City of Crystal Lake for all buildings and structures. All terms and conditions contained in the National Electrical Code, 2017 Edition, and subsequent amendments thereto, published by the National Fire Protection Association, Quincy, Massachusetts, shall be part of the ordinances of the City of Crystal Lake the same as if they were adopted verbatim.

**§ 230-2. Additions, insertions and amendments.**

The following sections of the International Building Code are hereby revised and amended as follows:

- A. Article 210.8(A)(2) is amended by adding the following to the end of the article:  
Exceptions:  
1. Receptacles that are not readily accessible.

2. A single receptacle or a duplex receptacle for appliances located within a dedicated space, behind the appliance in normal use, is not easily moved from one place to another and that is cord and plug connected. In accordance with 400.10(A)(6), (A)(7), or (A)(8).
- B. The exceptions to Article 210.8(A)(5) are amended as follows:  
*Exceptions:*
1. *A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.*
  2. *A single dedicated receptacle located within a dedicated space serving a cord-and-plug connected sump pump shall not be required to have ground-fault circuit-interrupter protection.*
  3. *A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.*
- C. The following exception is added the end of Article 210.8(A) (10):
- Exception:
- 1) A single receptacle or a duplex receptacle for appliances located within a dedicated space, behind the appliance in normal use, is not easily moved from one place to another and that is cord and plug connected. In accordance with 400.10(A)(6), (A)(7), or (A)(8).
- D. The following is inserted as Article 210.8(A)(11): All lights located within the enclosure of a shower or tub.
- E. The following is inserted as Article 210.11(C)(5): Outside Branch Circuits. In addition to the number of branch circuits required by other parts of this section, at least one 120-volt, 20-ampere branch circuit shall be installed to supply the outside receptacle outlets required by 210.52(E). This circuit shall have no other outlets.
- F. Article 210.12(A), Arc-Fault Circuit-Interrupter Protection, is amended as follows: All 120-volt, single-phase, 15- and 20- ampere branch circuits supplying outlets or devices installed in dwelling unit bedrooms shall be protected by any of the means described in 210.12(A)(1) through (6).
- G. Article 210.52(G)(1), Garages, is amended as follows: In each attached garage and in each detached garage with electric power, at least one receptacle outlet shall be installed in each vehicle bay and not more than 1.7 m (5 ½ ft) above the floor. At least one receptacle outlet shall also be installed for each overhead garage door.
- H. Article 210.70(1) is amended as follows: At least one wall switch-controlled lighting outlet shall be installed in every habitable room, kitchen and bathroom. Switches controlling lights shall be located within the finished space of a room at the point of entry, if the room is provided with a door.
- I. Article 210.70(A)(3), Storage or equipment spaces, is amended as follows: For attics, underfloor spaces, utility rooms, closets larger than 10 square feet and basements at least one lighting outlet containing a switch or controlled by a wall switch shall be installed where these spaces are used for storage or contain equipment requiring servicing.
- J. The following is inserted as Article 230.30(C): Location. Electrical services for single-family homes shall be located on the side of the house closest to the electrical source. The service may only be located on the rear of the house if the garage is located on the side closest to the electrical source. All conductors running from the electrical source shall run parallel to the property line to a point 90 degrees from the electrical service. Conductors shall not run through any portion of the rear yard that would prevent the homeowner from constructing an addition or pool without having to relocate the electrical service conductors.

- K. The following is inserted as Article 230.70(A)(1)a: Meter disconnect. An outside disconnecting means shall be provided when service conductors travel more than five (5) feet within the building envelope before entering the panel board.
- L. The following is inserted as Article 230.70(A)(4): Service disconnect height. The service disconnect switch, when in its highest position, shall not be located more than 6 feet above the floor or working platform.
- M. Article 314.27(C), Boxes at ceiling-suspended (paddle) fan outlets, is amended as follows: All ceiling-mounted outlet boxes in a location acceptable for a ceiling-suspended (paddle) fan in a one-family or two-family, or multifamily dwellings, the outlet box or outlet box system shall be listed for sole support of a ceiling-suspended (paddle) fan.
- N. The following is inserted as Article 320.104(A): AC Cable run from a switch to a ceiling mounted box, capable of ceiling mounted fan installation, shall contain a minimum of 3 insulated conductors of a type listed in Table 310.104 or those identified for use in this cable.
- O. The following is inserted as Article 330.104(A): MC Cable run from a switch to a ceiling mounted box, capable of ceiling mounted fan installation, shall contain a minimum of 3 insulated conductors of a type listed in Table 310.104 or those identified for use in this cable.
- P. Article 334.10 is deleted in its entirety.

**§ 230-3. Penalty.**

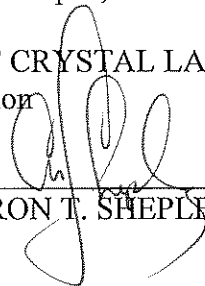
Any person, firm or corporation who or which violates, disobeys, omits, neglects or refuses to comply with or who or which resists the enforcement of any of the provisions of this chapter shall be fined as set forth in Chapter 248, Fines, for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

**SECTION II:** All ordinances or parts of ordinances in conflict herewith are hereby repealed.

**SECTION III:** That this Ordinance shall be in full force and effect from and after November 1, 2018 as provided by law.

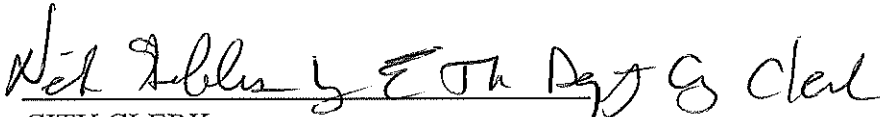
DATED at Crystal Lake, Illinois, this 17<sup>th</sup> day of April, 2018.

CITY OF CRYSTAL LAKE, an Illinois Municipal Corporation

BY:   
AARON T. SHEPLEY, MAYOR

SEAL

ATTEST:

  
CITY CLERK

PASSED: April 17, 2018

APPROVED: April 17, 2018

Published in pamphlet form by the authority of the Mayor and City Council of the City of Crystal Lake.