



Motors and Air-Conditioning Equipment Articles 430 and 440



General Electrical Code Requirements

Presentation by:

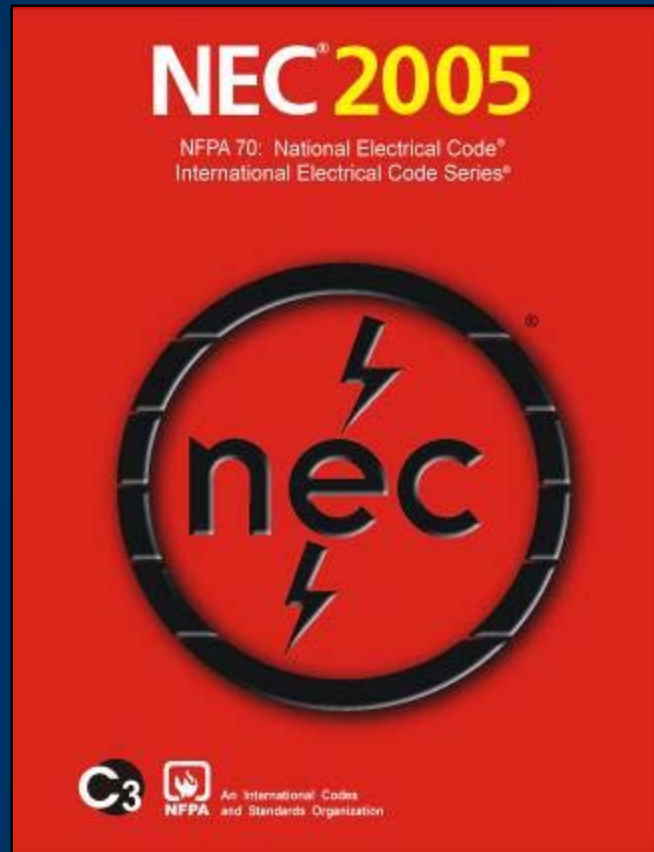
International Association of Electrical Inspectors





NFPA 70 *National Electrical Code*®

- This presentation is based on the requirements of the 2005 edition of the *National Electrical Code*.





Program Objectives

- This presentation covers the basic requirements in the *National Electrical Code* for the subjects electric motors, motor circuits, and motor controllers.
- The basic requirements for air-conditioning and refrigeration equipment are also covered.
 - Article 430 general requirements
 - Article 440 general requirements



Motors, Motor Circuits, and Motor Controllers

Article 430



Scope of Article 430

- Article 430 provides the requirements for motors, motor branch-circuit and feeder conductors and their protection, motor overload protection, motor control circuits, motor controllers, and motor control centers.
- Installation requirements for motor control centers are covered in 110.26(F).
- Requirements for air-conditioning and refrigerating equipment is provided in Article 440.
- Note: Figure 430.1 is for information purposes only but serves as a handy “fast-finder” in Article for *Code* users.





Motor Circuit Anatomy

