



**MINNESOTA DEPARTMENT OF
LABOR & INDUSTRY**

CONSTRUCTION CODES & LICENSING DIVISION

**Individual Electrical Licensing or Registration Requirements and Inspection Requirements for the
Installation of Technology Systems by Employees of Licensed Electrical Contractors, Technology
System Contractors or Employers[⊗]**

Per Minnesota Statutes 326B.31 to 326B.36 and Minnesota Rules Chapter 3800

| R = Registration required** L = License required Y = Yes, inspection required N = No, inspection not required D = May be Required Depending on Location and Type of Circuit | Type of Occupancy | | | | | | | | | |
|--|---|----------------|--------------------------------------|--------------|--------------------------------------|--------------|---|--------------|--------------------------------------|--------------|
| | Residential Dwelling | | Other Than Dwelling | | Detention Facilities | | Critical Care Areas of Health Care Facilities | | Hazardous Locations | |
| | Individual License or Registration** | Inspection * | Individual License or Registration** | Inspection * | Individual License or Registration** | Inspection * | Individual License or Registration** | Inspection * | Individual License or Registration** | Inspection * |
| Type of Circuit or System | | | | | | | | | | |
| Class 2 or 3 alarm and signaling circuits | R | N | R | N | R | N | R | Y | L | Y |
| Power-limited fire alarm systems | R | Y ¹ | R | Y | R | Y | R | Y | L | Y |
| Data circuits and cabling | R | N | R | N | R | N | R | Y | L | Y |
| Communication circuits or systems | R | N | R | N | R | N | R | Y | L | Y |
| Detention facility physical security systems | | | | | D | Y | D | Y | | |
| Audio or video systems | R | N | R | N | R | N | R | Y | L | Y |
| Antenna systems | R | N | R | N | R | N | R | Y | L | Y |
| Outdoor landscape lighting systems supplied by an isolating power supply 30 volts or less per NEC 411 | R | N | R | N | R | N | R | N | L | Y |
| Indoor lighting systems supplied by an isolating power supply 30 volts or less per NEC 411 | R | Y | R | Y | R | Y | R | Y | L | Y |
| Process control systems | NOT PERMITTED | | | | | | | | | |
| Class 2 or class 3 remote control circuits that control circuits or systems other than class 2 or class 3 | R | Y | L | Y | L | Y | L | Y | L | Y |
| Class 2 or class 3 circuits in electrical cabinets, enclosures or devices containing physically unprotected circuits other than class 2 or class 3 | L | Y | L | Y | L | Y | L | Y | L | Y |
| Class 2 landscape irrigation systems | D | D | D | D | D | D | D | D | L | Y |
| Minor work performed by employees of a contractor | D | N | D | N | D | N | D | N | L | N |
| Residential class 2 or class 3 remote control wiring associated with cord and plug connected appliances other than security or fire alarm | Exempt from Contractor and Personal Licensing Exempt from Employee Registration Exempt from Electrical Inspection | | | | | | | | | |

⊗ An employer is a person, partnership, corporation or limited liability company who has one or more employees who perform electrical work on the employer's electrical wiring, apparatus, equipment or facilities owned or leased by the employer which is located within the limits of property owned or leased or operated by the employer. Employers included under this definition are exempt from contractor licensing, however the employer and the responsible licensed person are required to be registered with the Department of Labor and Industry. [MN Rules 3800.3550]

**Individuals performing work that is required to be performed by employees of licensed electrical or technology system contractors shall be either licensed or registered with the department. [MN Stat §326B.33 subd .5a]

Y¹ The electrical inspection requirement applies to installations of fire alarm systems, as defined in article 760 of the National Electrical Code®, in other than one-or two-family dwellings. [MN Stat §§ 326B.36 subd .1a sec (b)(2)]

* If an inspector observes that the installer has not complied with the provisions of the NEC, the inspector may order the installer to file a request for inspection, pay the inspection fee, make all necessary corrections and arrange for inspection. [MN Stat §326B.36 subd 1(a)(d)]



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Terms Associated With Licensing and Inspection of Technology Systems

Audio means circuits and systems as defined in NEC Article 640. [National Electrical Code®]

Class 2 circuit is that portion of a wiring system between the load side of a class 2 power source and the connected equipment. [National Electrical Code®]

Class 3 circuit is that portion of a wiring system between the load side of a class 3 power source and the connected equipment. [National Electrical Code®]

Critical care area means those special care units, intensive care units, coronary care units, angiography laboratories, cardiac catheterization laboratories, delivery rooms, operating rooms and similar areas in which patients are intended to be subject to invasive procedures and connected to line-operated, electro-medical devices. [National Electrical Code®]

Demarcation means listed equipment as identified in Minnesota Rules, part 3800.3619, such as a transformer, uninterruptible power supply (UPS), battery, control panel, or other device that isolates technology circuits or systems from non-technology circuits or systems, including plug or cord and plug connection. [MN Stat § 326B.31 subd. 15]

Direct supervision means that the unlicensed individual is being supervised by an individual licensed to perform the electrical work being supervised during the entire working day of the unlicensed individual, the licensed individual is physically present at the location where the unlicensed individual is performing electrical work and immediately available to the unlicensed individual. [Minnesota statutes 326B.31 subd. 16]

Hazardous locations are those where fire or explosion hazards may exist due to flammable gasses, flammable liquid-produced vapors, combustible liquid-produced vapors, combustible dusts or ignitable fibers or flyings. [National Electrical Code®]

Health care facility means buildings or portions of buildings in which medical, dental, psychiatric, nursing, obstetrical, or surgical care are provided. [National Electrical Code®]

Job means each separate building or structure where electrical work is being performed. [Minnesota Rules 3800.3500 subp. 11]

Minor repair work means the adjustment or repair or replacement of worn or defective parts of electrical equipment and replacement of a technology circuit or system. [MN Stat § 326B.36 subd. 2(c)]

One-or two-family dwellings means a building that consists solely of one dwelling unit or a building that consists solely of two dwelling units. [National Electrical Code®]

Power limited technician means a person having the necessary qualifications, training, experience, and technical knowledge to install, alter, repair, plan, lay out, and supervise the installing, altering, and repairing of electrical wiring, apparatus, and equipment for technology circuits or systems who is licensed as such by the Department of Labor and Industry. [MN Stat § 326B.31 subd. 25]

- ▶ A power limited technician license is a personal license - not a contractor's license. The PLT license does not authorize the holder to perform technology system circuit or system work unless the individual is a W2-type employee of a licensed technology system or electrical contractor or registered employer.

Process control circuits or systems are circuits or systems, regardless of electrical classification, that are integrated with a manufacturing, mining, energy, finishing, conveyance of equipment or product, material handling or packaging, process that makes or assembles, or similar process. [Minnesota statutes 326B.31 subd. 26]

Remote control circuit is any electric circuit that controls any other circuit through a relay or equivalent device. [National Electrical Code®]

Residential dwelling is an individual dwelling of a one-family, two-family, or multifamily dwelling as defined in the National Electrical Code pursuant to section 326B.35. A residential dwelling includes a garage or accessory building that can only be used by the residents of the single dwelling unit. [Minnesota statutes 326B.31 subd. 27]

Signaling circuit is any electric circuit that energizes signaling equipment. [National Electrical Code®]

Technology circuits or systems means class 2 or class 3 circuits or systems for, but not limited to, remote control, signaling, control, alarm, and audio signal, including associated components as covered by National Electrical Code, articles 640, 645, 725, 760, 770, and 780 and which are isolated from circuits or systems other than class 2 or class 3 by a demarcation and are not process control circuits or systems; antenna and communication circuits or systems as covered by chapter 8 of the National Electrical Code; and circuitry and equipment for indoor lighting and outdoor landscape lighting systems that are supplied by the secondary circuit of an isolating power supply operating at 30 volts or less as covered by National Electrical Code, article 411. [Minnesota statutes 326B.31 subd. 29]

Technology System Contractor means a licensed contractor whose responsible licensed individual is a licensed power limited technician. [Minnesota statutes 326B.31 subd. 30]