

## 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<sup>1</sup>

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

R = Registration required <sup>2</sup> L = License required Y = Yes, inspection required N = No, inspection not required <sup>3</sup> 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	
	Personal License or Registration	Inspection	Personal License or Registration	Inspection	Personal License or Registration	Inspection	Personal License or Registration	Inspection	Personal 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 <sup>4</sup>	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
Class 4 systems	L	Y	L	Y	L	Y	L	Y	L	Y
Lighting systems supplied by a class 2 or class 3 power supply covered by the Low-Voltage Lighting article in the National Electrical Code	R	N	R	N	R	N	R	N	L	Y
Process control systems	<b>NOT PERMITTED</b>									
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 unlicensed employee registration exempt from electrical inspection									

<sup>1</sup> **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 is required to be registered with the department and personal licensing and supervision requirements apply. MN Rules 3800.3550

<sup>2</sup> 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 .13

<sup>3</sup> 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 permit, make required corrections and arrange for inspection. MN Stat §326B.36 Subd. 2(d)

<sup>4</sup> The electrical inspection requirement applies to installations of fire alarm systems, as defined in the National Electrical Code®, in other than one-or two-family dwellings. MN Stat §326B.36 Subd. 2(b)(2)

## 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. MN Stat §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 work** means the adjustment or repair and replacement of worn or defective parts 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 contracting license. The power limited technician license does not authorize the holder to perform technology system circuit or system work unless the individual is an IRS W2-type employee of a licensed technology system or electrical contractor or an 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. MN Stat §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. MN Stat §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, or class 4 circuits or systems for, but not limited to, remote control, signaling, control, alarm, and audio signal, including associated components as covered by the National Electrical Code, and which are isolated from circuits or systems other than class 2 or, class 3, or class 4 by a demarcation and are not process control circuits or systems; antenna and communication circuits or systems as covered by the National Electrical Code; and circuitry and equipment for low-voltage lighting, limited to a class 2 or class 3 power supply covered by the Low-Voltage Lighting article in the National Electrical Code. The planning, laying out, installing, altering, and repairing of technology circuits or systems must be performed in accordance with the applicable requirements of the National Electrical Code pursuant to section 326B.35.

MN Stat §326B.31 Subd. 29

**Technology System Contractor** means a licensed contractor whose responsible licensed individual is a licensed power limited technician. MN Stat §326B.31 Subd. 30