

Inspection and Technical Services

Limited Specialized Trade Electrician's Exam Syllabus Alarm Installer

ITS CS Guide 01

There are 50 multiple choice questions on the Limited Specialized Trade Electricians' Alarm Installer Exam. You will have 3.5 hours to complete the exam. The pass mark is 70%.

The Limited Specialized Trade Electricians' Alarm Installer Exam may test your knowledge in the following areas:

- C 22.1 - 2018 Canadian Electrical Code: Section # 0, 2, 10, 12, 16
- Alarm system installation methods and materials (as referenced from *Understanding and Servicing Alarm Systems, 3rd Edition*)
- Intrusion alarm installation methods, definitions and materials (as referenced from *CAN/ULC-S302-14*)
- Manitoba Workplace Safety and Health Regulation (2015 edition): Part # 6, 13, 14, 15, 38
- Scope of an M-F Licence holder (Alarm Installer) as described in ***ITS 21-036 – Electrician Licences***.
- Electrical Theory (as referenced from *Delmar's Standard Textbook of Electricity, 7th Edition*):
 - Ohm's Law Calculations (formula will be provided at the exam)
 - Series/Parallel Circuits
 - Electrical Measuring Terms
 - D.C. and A.C. Electrical Fundamentals
 - Electrical Measuring Instruments

To write this exam you are required to bring a non-programmable calculator, pencil (HB or #2 only). You will be supplied with the following reference materials on the day of the exam:

- C 22.1 Canadian Electrical Code - 2018 edition
- Manitoba Workplace Safety and Health Regulation (2015 edition)

