

# Burglar and Fire Alarm Electrical

Catalog Number: C20613  
Exam Number: 913454  
Effective Date: 08/12/08

## License Information

**Scope** – Tests a candidate's knowledge of the design, plan, installation, repair, alteration, and maintenance of intrusion detection, fire detection, and signaling systems.

## Examination Outline

### Open Book

50 Questions - 2-1/2 hour time limit

75% Correct required to pass

Exam Topic	%
General Electrical Knowledge	10
Fire Detection	24
Intrusion Detection	24
Power Supplies	10
Signaling Circuits	10
Grounding and Bonding	6
Raceways and Enclosures	6
Conductors and Cables	6
Special Occupancies	4

4. *Security: A Guide to Security System Design and Equipment Selection and Installation*, Second Edition, 1994, Butterworth-Heinemann/Elsevier Science, 11830 Westline Industrial Drive, St. Louis, MO 63146, www.bh.com.
5. *Understanding and Servicing Alarm Systems*, Third Edition, 1999, Butterworth-Heinemann/Elsevier Science, 11830 Westline Industrial Drive, St. Louis, MO 63146, www.bh.com.

## Copyrighted Exam Questions

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## References

The following references **are allowed** in the testing center.

1. *NFPA 70 National Electrical Code*, 2008 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, www.nfpa.org.
2. *NFPA 72 National Fire Alarm Code*, 2007 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101 Quincy, MA 02269-9101, www.nfpa.org.

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Direct Current Fundamentals*, Seventh Edition, 2006, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
2. *Mike Holt's Illustrated Guide to Basic Electrical Theory*, Third Edition, 2008, Mike Holt Enterprises, Inc., 3604 Parkway Boulevard, Suite 3, Leesburg, FL 34748, www.NECcode.com.
3. *Low Voltage Wiring: Security/Fire-Alarm Systems*, 2002, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.