

# Burglar and Fire Alarm Electrical

## 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**

**70% 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

## References

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

1. *Direct Current Fundamentals*, Sixth Edition, 2000, Thomson Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
2. *Low Voltage Wiring: Security/Fire-Alarm Systems*, 2002, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.
3. *Mike Holt’s Illustrated Guide to Basic Electrical Theory*, Second Edition, Mike Holt Enterprises, Inc., 3604 Parkway Boulevard, Suite 3, Leesburg, FL 34748, www.NECcode.com.
4. *NFPA 70 National Electrical Code*, 2005 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, www.nfpa.org.
5. *NFPA 72 National Fire Alarm Code*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101 Quincy, MA 02269-9101, www.nfpa.org.

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

For information on how to obtain exam references, please call toll-free 877.624.2562.

## Copyrighted Exam Questions

All test questions are the copyrighted property of Prometric Holdings, LLC. It is forbidden under federal copyright law to copy, reproduce, record, distribute or display these test questions by any means, in whole or in part, without our written permission. Doing so may subject you to severe civil and criminal penalties, including up to five years in prison and/or a \$250,000 fine for criminal violations.