



## Professional Testing

### MASTER ALARM

#### SCOPE

Contractor certified as having knowledge in the area of installation, maintenance, repair, alteration, and extension of fire alarm and burglar systems as well as all business and finance knowledge/skills associated therewith.

#### EXAMINATION CONTENTS

##### Business and Finance Exam – 2 Hours

<b>Subjects</b>	<b>Number of Questions</b>
Financial Management	6
Estimating & Bidding	6
General Contract Management	7
General Project Management	6
Personnel Management	4
Tax Laws	5
Insurance & Bonding	3
Contracting Laws	5
OSHA Requirements	3
Business Organization & Management	5
<b>Total Number of Questions</b>	<b>50</b>

##### Trade Knowledge Exam – 4 Hours

<b>Subjects</b>	<b>Number of Questions</b>
General Theory and Electrical Principles	6
Plan and Specification Reading	8
Wiring and Protection	2
Wiring Methods and Materials	4
Central Station Facilities and Signaling	6
Premises Protective Signaling	5
Initiating Devices	6
Security Devices	3
Low Voltage	2
Special Occupancies and Situations	2
OSHA Safety and Safe Use of Tools and Equipment	2
Life Safety and the Americans with Disabilities Act	3
Permitting and Specifications	1
<b>Total Number of Questions</b>	<b>50</b>

**THIS EXAM MAY INCLUDE ADDITIONAL NONSCORED TRIAL QUESTIONS.**

**TO QUALIFY FOR A LICENSE, YOU MUST PASS BOTH THE BUSINESS AND FINANCE EXAM AND THE TRADE KNOWLEDGE EXAM.**

#### EXAMINATION REFERENCES

The following references with an asterisk (\*) indicate the books you may bring to the test site and use to assist you in answering the questions. These are the **ONLY** references you may bring with you.

- \* Code of Federal Regulations, Title 29, Part 1926 (OSHA), 2005, US Government Bookstore 100 West Bay St. Ste. 100, Jacksonville, FL 32202 (904) 353.0569
- \* NFPA 70, National Electrical Code, 2005, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100
- \* NFPA 101, Life Safety Code, 2006, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100
- \* NFPA 72, National Fire Alarm Code, 2002, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100
- \* UL 1076, Proprietary Burglar Alarm Units and Systems, 1999, Underwriters Laboratories, Inc., 333 Pfingsten Rd., Northbrook, IL 60062 (847) 272.8800
- \* UL 365, Police Station Connected Burglar Alarm Units and Systems, 1997 w/rev through 2005, Underwriters Laboratories, Inc., 333 Pfingsten Rd., Northbrook, IL 60062 (847) 272.8800
- \* UL 681, Installation and Classification of Burglar and Holdup Alarm Systems, 1999, Underwriters Laboratories, Inc., 333 Pfingsten Rd., Northbrook, IL 60062 (847) 272.8800
- \* Ugly's Electrical References, 2005, Construction Book Express, 100 Enterprise Place, P.O. Box 7029, Dover, DE (800) 253.0541

\* Electricians Formula and Reference Book, 3<sup>rd</sup> Ed., 1999, **OR** Electrical Formulas with Sample Calculations, 2002, Mike Holt Enterprises, Inc., 7310 W. McNab Rd., Suite 201, Tamarac, FL 33321 (800) 881.2580

**No marks, highlighting, or notes of any sort may be made in the reference materials during the examination. Highlighting and permanent tabbing prior to the examination is acceptable. "Post it" notes are not permanent and will not be allowed. No handwritten notes may be made in the reference materials prior to or during the examination.**

The following references may be used to help prepare you for the examination. **You are NOT required to purchase these reference books and they may NOT be brought to the examination. They are only suggested if you feel the need for additional study.**

AIA - A201, General Conditions of Contract, 1997, American Institute of Architects, 104 East Jefferson St., Tallahassee, FL 32301 (800) 365.2724

AIA - A401, Contractor - Subcontractor Agreement, 1997, American Institute of Architects, 104 East Jefferson St., Tallahassee, FL 32301 (800) 365.2724

Builder's Guide to Accounting, 2001, Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009 (800) 829.8123

Contractors Manual, 3<sup>rd</sup> Ed., 2004, Association of Builders and Contractors Institute, Inc., 3730 Coconut Creek Pkwy., Ste., 200 Coconut Creek, FL 33066 (561) 432.9442

The Guide to Florida's Construction Lien Law, 1997, ProfitGuard, P.O. Box 10354, Tallahassee, FL 32302

American Electrician's Handbook, 14<sup>th</sup> Ed., 2002, McGraw-Hill Publishing Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004 (212) 904.5448

Fire Alarm Signaling Systems Handbook, 2003, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100

Florida Americans with Disabilities Accessibility Implementation Act and Americans with Disabilities Act, 1993, Department of State, Bureau of Administration Codes, 401 S. Monroe St., Elliott Building, Tallahassee, FL 32301 (850) 488.8427

NFPA 12, Standard on Carbon Dioxide Extinguishing Systems, 2005, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100

NFPA 17, Dry Chemical Extinguishing Systems, 2002, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100

NFPA 25, Inspection, Testing and Maintenance of Waterbased Fire Protection Systems, 2002, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100

Security: A Guide to Security System Design, 2<sup>nd</sup> Ed., 1992, Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801

Telecommunication Wiring, 2001, Prentice Hall, P.O. Box 11071, Des Moines, IA 50336 (800) 922.0579

Understanding and Servicing Alarm Systems, 3<sup>rd</sup> Ed., 1999, Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801

Local Licensing Ordinances

## ADDITIONAL INFORMATION

Please refer to the Candidate Information Bulletin for this examination for any additional information or requirements.

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