

Fire Alarm System Testing & Inspections

1-day Course Outline (6 hours)

Course Description -

This basic application course describes the requirements for fire alarm systems tests and inspections, and how to correctly perform these tests and visual inspections to meet the requirements of the 2002 NFPA 72, National Fire Alarm Code, and 2002 NFPA 70, National Electrical Code. This fire alarm seminar is beneficial for installers performing acceptance or reacceptance tests of new fire alarm systems; service technicians performing periodic testing and inspections of existing fire alarm systems; building and fire inspectors involved in witnessing acceptance and reacceptance testing; and personnel representing the owner responsible for the testing and inspections of fire alarm systems in their facilities.

Course Materials -

1. Student workbook and handouts (provided)
2. Calculator, pencils and note paper (Student to provide)

Course Outline -

1. Why Test and Inspect?
 - A. Enforcement of requirements
 - B. "Selling" Testing and Inspections to the Owner
2. Visual Inspections
 - A. How to conduct a proper visual inspection
 1. Documentation
3. Testing Requirements
 - A. Acceptance Testing
 - B. Reacceptance Testing
 - C. Periodic Testing
 - D. Documentation
4. Functional Tests
 - A. How to conduct the functional tests
 1. Using a checklist (provided with course)
 - B. How to conduct sensitivity tests for smoke detectors