

Automatic Fire Alarm Association

Fire Alarm Plan Review 1-day Course Outline (7 hours)

Course Description

This application course describes the common problems associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets to determine battery and voltage drop calculations, exercises to determine proper spacing of smoke detectors, exercises to determine proper audibility of fire alarm notification appliances and proper sizing and placement of visible notification appliances. This seminar is intended for authorities having jurisdiction involved in fire alarm system plan review, contractors providing submittal documentation for plan review and fire alarm system designers. This seminar is based upon IBC-2009, NFPA 72-2010 and NFPA 70-2008.

7 Contact Hours Continuing Education - Participant must attend entire seminar to receive credit.

Course Materials

- Student course book and handout workbook (provided)
- Ruler and compass (provided)
- Calculator, pencils and note paper (Student to provide)

Course Outline

1. Review the Requirements for Plan Review and Submittals based on the International Building Code and NFPA 72.
2. Review of pre-plan and plan review checklists examples
3. Review secondary power supply requirements including battery-set calculations
4. Review voltage-drop limits including voltage-drop calculations
5. Review smoke detector location and spacing requirements including practical exercises
6. Review fire alarm audible notification requirements including practical exercises
7. Review fire alarm visible notification requirements including practical exercises
8. Review of pre-acceptance and acceptance testing checklist examples