

2013 NATIONAL FIRE ALARM AND SIGNALING CODE® (NFPA 72)

Being up-to-date with basics of the National Fire Alarm and Signaling Code® (NFPA 72) will help improve your fire alarm and signaling system's reliability. Learn the fundamentals of fire alarm systems, fire alarm equipment for dwelling units, initiating devices, emergency communication systems (including mass notification) and more.

Gain knowledge to ensure that your fire alarm system is working properly to achieve maximum reliability, safety and compliance.

Learn to identify various components of a typical fire alarm system, recognize differences in requirements between NFPA 72, ADA (ADAAG) and UFAS documents and be able to layout a fire alarm system using basic components (i.e., manual alarm stations, alarm bells, detectors, etc.).

CLASS FORMAT:

Lab + classroom

The participant is able to “learn-by-doing” in the course; this knowledge can be transferred to the workplace.

STANDARD CLASS SIZE:

NTT recommends a class of 12 participants to obtain the best results.

NTT PROVIDES:

- 3-days of on-site instruction
- Textbooks, “NFPA 72: National Fire Alarm Code® 2013” plus student workbook “A Practical Approach to the 2013 The National Fire Alarm Code”
- Classroom consumables
- Completion certificates
- Shipping and instructor fees and travel

CLIENT PROVIDES:

- Classroom, with easy access of 750 square feet or greater
- Projection screen, white board and/or flip chart(s)
- Power requirements are three (3) 110v, 15 amp circuits
- A dock facility or a forklift to unload the training equipment
- A pallet jack to move the crates around after they have been unloaded may also be needed
- The equipment should be placed in the training room for the NTT instructor to test and setup prior to seminar's start

SHIPPING:

1 crate at 600 pounds



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COURSE AGENDA

FUNDAMENTALS OF FIRE ALARM SYSTEMS

- Terminology and definitions
- Phases of a fire hazard
- Primary and secondary power supply requirements
- Determining proper sizes for batteries and battery chargers
- System operation and compatible components
- Required documentation

FIRE WARNING EQUIPMENT FOR DWELLING UNITS

- Minimum and suggested detection requirements
- Use of household vs. protected premises fire warning equipment

PROTECTED PREMISES FIRE ALARM SYSTEMS

- Circuit designations and repetitive deficiencies
- IDC, SLC, and NAC circuit installation requirements and pitfalls
- Component location requirements
- Coordination with other related systems

SUPERVISING STATION FIRE ALARM SYSTEMS

- Available signal transmission methods
- Classification of protective signaling systems

INITIATING DEVICES

- Principles of operation of the various automatic detectors
- Choosing the right detector for the right location
- Installation points and repetitive deficiencies
- Heat detector selection
- Requirements of concealed detectors
- Environmental factors in smoke detection
- Smoke detection for air duct systems
- Detectors in high air movement areas

NOTIFICATION APPLIANCES FOR FIRE ALARM SYSTEMS

- NFPA and ADA requirements for notification appliances
- Notification appliance location with audible and visual requirements
- Determining proper wire sizes
- Repetitive deficiencies

INSPECTION, TESTING AND MAINTENANCE

- Who is responsible for testing
- Required documentation and certification
- Proper testing techniques of initiating devices
- Required testing of notification appliances
- Testing of system wiring

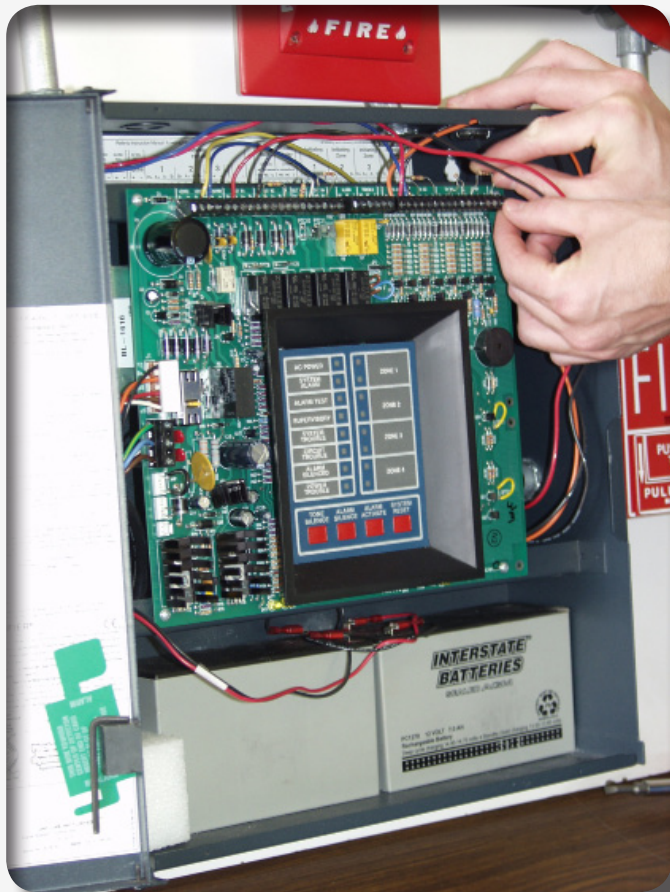
THE RELEVANCY OF THE FIRE ALARM CODE® AND SIGNALING CODE

- Such as NFPA 13, NFPA 20, NFPA 70 and NFPA 101

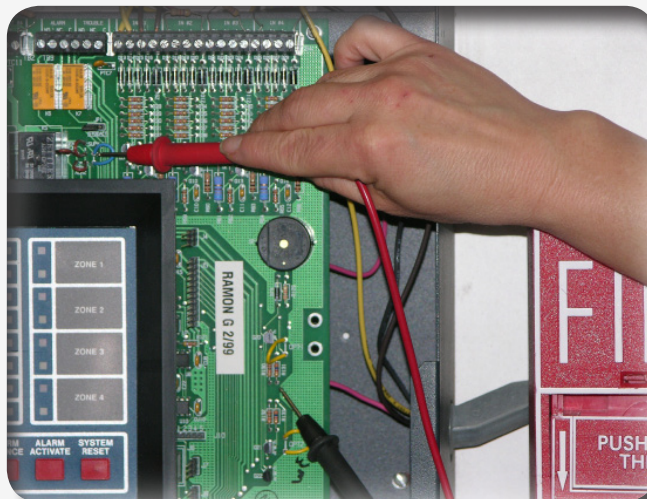
HANDS-ON LAB EXERCISES

- “As-built” point-to-point wiring schematics
- Device compatibility document
- Initiating device circuit
- Notification appliance circuit
- Signaling line circuit
- Smoke detector sensitivity test
- Visual and functional tests

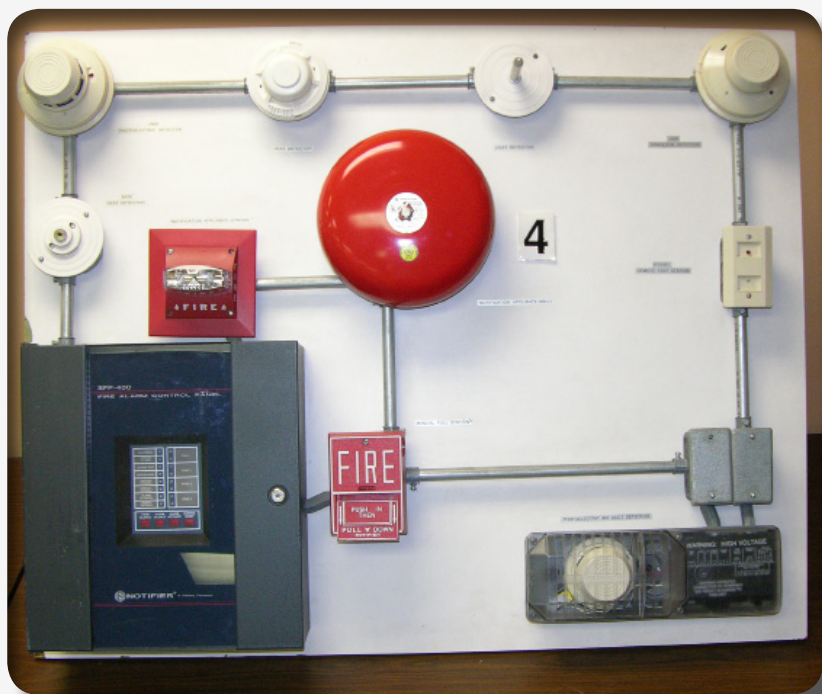
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Using NTT's specially developed hands-on training stations, students determine "as-built" point-to-point wiring schematics.



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NTT Training Station



Students determine the components that are approved and/or listed for use with FACP.