

FPD-7024 Fire Control Panel

- Course Title:** FPD-7024 Fire Alarm Control Panel
- Duration:** .5 Days
- Target Audience:** Product installers, service technicians, anyone responsible for programming fire alarm panels.
- Objectives:** Upon successful completion of this course the participant should be able to:
- Explain the function and benefits of D7039 MUX module, as well as demonstrate how to add a D7039 MUX Module to the system, and explain how the onboard keypad responds to this action
 - Define number of onboard Notification Appliance Circuits (NAC) and their individual and combined amperage capacity
 - Demonstrate the necessary steps for keypad programming a daily test report to be sent at a specified time
 - Explain the battery/NAC test, including how long the battery is tested
 - Differentiate between Zone Input and Addressable Point testing and describe the five options available in Addressable Point testing
- Prerequisites:** Basic computer skills; basic understanding of detection circuits, notification circuits, EOL resistors, fire detection terminology, and digital communication.

Course Content:

Module 1: FPD-7024 FACP Product Overview

- Information Resources
- Conventional System
- Addressable System
- Onboard User Interface
- Programming Options
 - Front Panel
 - LCD Keypads
 - RPS
- Dirty Smoke Detector Monitoring
- Batteries / Power Supply
- Keypads & Annunciators
- Conventional Modules

- Addressable Modules
- Detector Heads & Bases
- Pull Station
- Purchase Options

Module 2: FPD-7024 FACP Hardware

- Parts List
- Enclosure Mounting
- Panel Mounting
- Panel Connections
- D7039 Installation and Auto Programming
- Multiplex Devices

Module 3: FPD-7024 FACP MUX Devices

- Option Bus Device Overview
- Option Bus Wiring
- Annunciators - Annunciator Expander
- Remote Keypads - Wiring & Addressing
- Output Expansion Modules
- Remote NAC Power Supply
- DX4020 NIM
- Installing MUX Devices
- Auto-Programming

Module 4: FPD-7024 FACP Keypad Programming

- Program Record Sheet
- Keypad Programming Alpha Text
- Keypad Program Levels
- Keypad Program Menu Tree
 - Main Menu
 - Times
 - System
 - Inputs
 - Outputs
 - Accounts
 - Formats
 - MUX
- Keypad Programming Shortcuts
- Keypad Programming "Cheat Sheets"

Module 5: FPD-7024 FACP RPS Programming

- Time
- Security
- System
- Inputs
- Outputs
- Accounts
- Report Steering
- Program Format
- MUX Bus Type

Module 6: FPD-7024 FACP System Operation

- Keypad LEDs

- PINs & Authority Levels
- Keypad Function Keys
- Operational Modes
- Menu Navigation
- Testing

Module 7: FPD-7024 FACP Review/Final Exam

- Course Review
- Exam

Final Exam: Passing grade is 75% or higher

Practical Content: At least 40% hands-on