



*Training Course:
Advanced Fire Panel Configuration and
Troubleshooting*

*29 August - 2 September 2027
Cairo (Egypt)*

Training Course: Advanced Fire Panel Configuration and Troubleshooting

Training Course code: EN235467 From: 29 August - 2 September 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Fire alarm control panels FACP are the core of fire detection and life safety systems in industrial facilities, commercial buildings, and critical infrastructure. Advanced configuration and effective troubleshooting are essential to ensure system reliability, compliance with safety standards, and rapid emergency response.

This 5-day intensive training program, developed by [Global Horizon Training Center](#), provides in-depth knowledge of fire panel systems, including configuration, programming, integration, diagnostics, and fault resolution. The program focuses on modern addressable systems and real-world troubleshooting scenarios.

Participants will gain practical expertise in configuring fire panels, interpreting system behavior, and resolving faults efficiently.

Course Objectives

By the end of this program, participants will be able to:

- Understand fire alarm system architecture and components
- Configure and program fire alarm control panels
- Interpret system logic and cause-and-effect matrices
- Diagnose and troubleshoot faults and alarms
- Integrate fire panels with other building systems
- Ensure compliance with fire safety standards
- Improve system reliability and response performance

Target Audience

- Electrical and Electronics Engineers
- Fire & Safety Engineers
- Maintenance and Facility Engineers
- Building Management System BMS Technicians
- Fire Alarm Technicians and Supervisors

Outline

Day 1: Fundamentals of Fire Alarm Systems

- Fire detection principles and system types
- Conventional vs addressable fire alarm systems
- Fire alarm components detectors, panels, interfaces
- System architecture and communication

Day 2: Fire Panel Configuration and Programming

- Panel setup and configuration
- Addressing devices and loop configuration
- Cause-and-effect programming
- Zoning and system logic

Day 3: Integration and System Interfaces

- Integration with BMS and HVAC systems
- Fire suppression and emergency systems
- Communication protocols and networking
- Testing and commissioning procedures

Day 4: Troubleshooting and Fault Diagnosis

- Identifying common faults open/short circuits, device failures
- Alarm and fault analysis
- Using diagnostic tools and software
- Case studies on system failures

Day 5: Maintenance, Standards & Practical Workshop

- Preventive and corrective maintenance
- Fire safety standards and compliance NFPA, EN
- Documentation and reporting
- Final workshop: configuring and troubleshooting a fire panel
- Review and evaluation

Registration form on the Training Course: Advanced Fire Panel Configuration and Troubleshooting

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Address:
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Full Name (Mr / Ms / Dr / Eng):
Position:
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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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