



FIRE DETECTION ALARM SYSTEM COMPREHENSIVE TRAINING

Course Description

This comprehensive training program is designed to equip participants with the knowledge and skills necessary for the effective design, installation, configuration, testing, and maintenance of Fire Detection Alarm Systems (FDAS) in compliance with RA 9514 Fire Code of the Philippines and other relevant codes and standards. Participants will learn about the fundamentals of fire alarm systems, system components, occupancy classification, personnel qualifications, design principles, proper installation techniques, troubleshooting methods, and maintenance practices. Through hands-on exercises and real-world case studies, participants will gain practical experience in implementing both conventional and addressable FDAS components.

A Comprehensive two
(2) day hands-on
training for FDAS
Contractors!

Conducted by a
PECE, FirePro
Advocate and FDAS
Expert!

Full packed with
essential topics in BFP
Requirements, Fire
Code, Best Practices,
and Proper
Installation!

Get after training
professional support!

ITLLECTUAL MANILA

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Philippines 1111

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Course Objectives:

Upon completion of this training, participants will be able to:

- ✓ Understand the provisions and requirements of RA 9514 Fire Code of the Philippines related to FDAS.
- ✓ Identify and explain the codes, standards, and fundamentals governing FDAS design and installation.
- ✓ Describe the components of a fire alarm system and their functions.
- ✓ Classify occupancy types and their implications for FDAS design and installation.
- ✓ Outline the qualifications and roles of personnel involved in FDAS design, installation, and maintenance.
- ✓ Demonstrate the process of designing and planning a fire detection system, including proper detector placement and occupant notification methods.
- ✓ Explain the functions of controls and indicating equipment in an FDAS.
- ✓ Calculate NAC (Notification Appliance Circuit) power drop for effective system operation.
- ✓ Understand the requirements for Cause and Effects Matrix and System Documentation by the Bureau of Fire Protection (BFP).
- ✓ Install, configure, and test both conventional and addressable FDAS components.
- ✓ Implement proper cabling techniques and protection measures for FDAS installation.
- ✓ Identify common DO's and DON'T's in FDAS installation to ensure compliance and system reliability.
- ✓ Develop Bills of Materials (BOM) and costing estimates for FDAS projects.
- ✓ Perform troubleshooting procedures to diagnose and rectify FDAS issues effectively.
- ✓ Execute regular maintenance tasks to ensure the continued functionality and reliability of FDAS installations.

Course Outline:

Upon completion of this training, participants will be able to:

- ✓ Provisions and requirements of RA 9514 Fire Code of the Philippines related to FDAS.
- ✓ Codes, standards, and fundamentals governing FDAS design and installation.
- ✓ Components of a fire alarm system and their functions.
- ✓ Occupancy types and their implications for FDAS design and installation.
- ✓ Qualifications and roles of personnel involved in FDAS design, installation, and maintenance.
- ✓ Process of designing and planning a fire detection system, including proper detector placement and occupant notification methods.
- ✓ Functions of controls and indicating equipment in an FDAS.
- ✓ NAC (Notification Appliance Circuit) power drop for effective system operation.
- ✓ Cause and Effects Matrix and System Documentation by the Bureau of Fire Protection (BFP).
- ✓ Install, configure, and test both conventional and addressable FDAS components.
- ✓ Proper cabling techniques and protection measures for FDAS installation.
- ✓ DO's and DON'T's in FDAS installation to ensure compliance and system reliability.
- ✓ Bills of Materials (BOM) and costing estimates for FDAS projects.
- ✓ Troubleshooting procedures to diagnose and rectify FDAS issues effectively.
- ✓ Regular maintenance tasks to ensure the continued functionality and reliability of FDAS installations.

Target Audience:

This training is ideal for fire safety engineers, facility managers, building owners, fire protection system designers, electrical engineers, technicians, and other professionals involved in the design, installation, maintenance, and operation of fire detection alarm systems.

Prerequisites:

Basic knowledge of fire safety principles, electronics and electrical systems is **recommended but not required**.

Duration:

2-Days | 14-hours (Customizable based on specific training needs)

Delivery Method:

Instructor-led training with a combination of lectures, case studies, group discussions, actual demonstration, and hands-on exercises.

Certification:

Upon successful completion of the training program and assessment, participants will receive a Certificate of Completion in Fire Detection Alarm System (FDAS) Training.

Training Investment:

Per head Investment – Php13,440.00 (VAT-Inc)

Exclusive/Group Training – Php 134,400.00 (VAT-Inc), maximum of 10 participants

Outside Manila or Provincial Training – Subject to verification and customized costing.

Securing the training slot:

Upon settling the training investment, send the proof of payment, full name, mobile number, and email address to itllectualmanila@gmail.com.

Where to pay:

Bank Name: LANDBANK OF THE PHILIPPINES

Account Name: ITELLEQQ TRAINING AND CONSULTANCY

Account Number: 5462-0024-42

Bank Name: BANCO DE ORO

Account Name: VANESA CEZAR

Account Number: 001100-205134

GCASH

Account Name: VANESA CEZAR

Gcash Number: 09154655700

Other concerns? Contact our Hotline:

0915-4885708 | 0919-5168888 | itllectualmanila@gmail.com

*"Anyone who stops learning is old, whether 20 or 80, anyone who keeps learning stays young.
The greatest thing in life is to keep your mind young."*

– Henry Ford
