Security and Access Control

Key principles of security detection and protection systems

1. **Security and Access Control**
   - Security and Elements of a System
   - Access Control Defined
   - Security System Block Diagram
2. **Benefits of Security / Access Control**
   - Safety and Convenience
   - Cost Savings
3. **Safety, Tools and Standards**
   - Safety Warnings, OSHA and Permits
   - Planning and Installation Tools
   - Testing Tools
4. **Security System Technology**
   - Contacts, Security and Safety Sensors
   - Input Devices/Keypads
   - Security Controller
   - Monitoring Services
5. **Access Control Technology**
   - Access Control Block Diagram
   - Input Devices and Access Controller
   - Software and Monitoring
6. **Principles of Security Protection**
   - Perimeter Protection, Exterior Protection
   - Door and Window Protection
   - Motion Detectors
   - Fire, Gas and Water Protection
7. **Security Contacts and Sensors**
   - Door and Window Contacts
   - Water Detection and Other Contacts
8. **Principles of Access Control**
   - Where to Control Access
   - Access and Control Methods
   - Controller Types
   - Locking and Exit Mechanisms
9. **Design Security andr Access Control**
   - Steps in the Design Process
   - Security System Example
   - Access Control Example
10. **Install Security or Access Control**
    - Phases and Tasks of Installation
    - Programming and Testing the Installation
    - Customer Education
11. **Programming Security and Access**
    - Types of Zones and Arming Methods
    - Pass Codes
    - Programming
12. **Troubleshooting Security & Access**
    - Loop and Zone Troubleshooting
    - Power Supply Problems
    - Modem Problems
    - Testing Methods and Tools
13. **Course Summary**
14. **FINAL TEST**

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8 hours   **$149 US**

Security and Access

DESCRIPTION

This course covers key principles of security detection and protection systems. Learn about wiring, contacts, sensors, components, fire and safety protection devices, control options and user interfaces. Access control discussion includes manual and motorized doors, gates, locking mechanisms and control options.

OBJECTIVES

- Explain the technology principles of security detection/protection and access control
- List the benefits of security and access control
- Name different security contact and sensor types
- Identify different methods of access control
- List steps to design a security access control system
- List the steps to install security or access control
- Explain the programming of a security or access control system
- Identify different troubleshooting techniques

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