

# Biometric Access Control & Time Attendance-II

Biometric Access Control & Time Attendance System-  
Installation & Management Training

**Duration: 3 DAYS**

**VENUE: KENVISION TECHNIKS WORKSHOPS**

**HOST: Kenvision Techniks**

You can request an invoice by via emailing [ken\\_trainers@kenvisiontechniks.com](mailto:ken_trainers@kenvisiontechniks.com)

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## Access Control- I

*This popular course offers a perfect mix of classroom study and 'hands on' practical*



*workshop activities, giving you a deep insight into access control from the installers perspective.*

***Pre-conditions:*** *This course requires no prior knowledge in Access Control*

*Covering site surveying and system design, the course will provide you with the fundamental skills to design, install, operate, repair, maintain and commission fully networked access control systems that are ready to meet the challenges of the modern world.*

This course will give you the confidence to evaluate, install and troubleshoot an access control system . You'll learn the correct information to gather prior to install. A detailed, step-by-step walk through of the installation will allow you to see all the different scenarios and how to make the correct choices to ensure success.

The graduates of this course will also be equipped to evaluate and troubleshoot the various access control software by using log files, reports and performance counters. A good understanding of the computer and network environments is crucial when installing software.

### Aim:

This practically based course is designed to:

**Course name: Access Control-Advanced**

*Paving way to business efficiency*

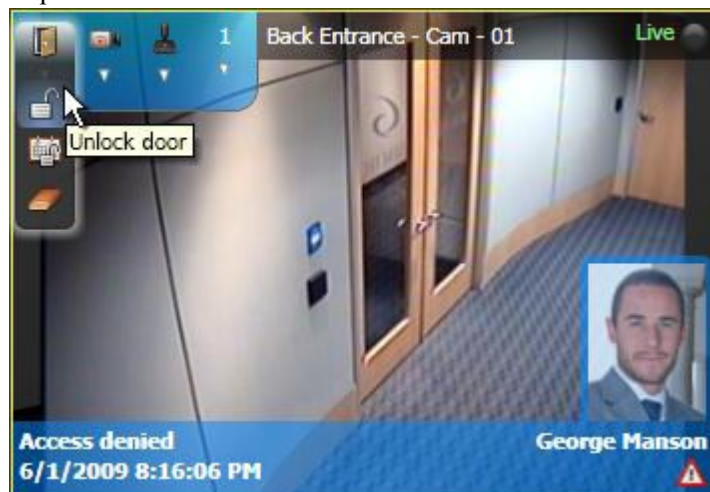
- Give participants a practical knowledge of the operation and installation of Access Control Systems at a foundation level.
- Introduce you to the real world of access control system installation, maintenance and repair.
- Enable you (those already in the field) gain the confidence to work in tills vibrant and fast growing sector.

## How You will Benfit

1. Understand the fundamental elements that make up an Access Control System.
2. Fit the principal components of a stand-alone system and networked systems.
3. Connect and programme a card, keypad and proximity stand alone system.
4. Effectively connect up, test and fault-find system elements.
5. Be aware of the issues associated with Access Control Systems.
6. Have an awareness of the changing technology and it's impact on the industry

## What you will learn

- How to conduct a site survey to the requirements of the
- How to select correct power supplies and electronic components with appropriate test equipment
- How to install door entry systems
- How to install standalone access control systems
- How to select locks
- How to programme access control software
- How to install networked access control systems
- How to select and adjust door furniture
- How to install control equipment



- How to select appropriate use of card tokens and keypad identification methods
- How to design a system and prepare specification

*Learn to Earn' in the growing world of access control systems on this interactive course*

## Course Content

- Associations, standards, inspectorates and documentation
- Mechanical and electromagnetic locks
- Electric strikes and releases
- Identification, tokens and readers
- Power supplies and sensors
- Card based ID system, controllers and systems
- Location of sensors
- Frequency of use and operation, locations and sensors
- Fitting devices onto framed constructions
- Single and multi door systems and closures
- Methods and types of cables to use in various environments
- Risk assessment
- Practical on site surveys
- Planning and design of system
- Maintenance agreements
- Knowledge possession
- Code identification systems
- Non-contact identification methods
- Networking access control systems
- Fault finding techniques

## Sessions

**This course has 12 sessions which will be covered in THREE Days. The sessions are so designed to ensure that the above areas are covered satisfactorily.**

### TRAINING SESSIONS

**1. Life Safety Rules / Regulations / Codes (2 sessions):** Review of the code fundamentals that dominate system designs and specification.

- Designing an Access Control System
- Understanding the Codes behind EAC
- Door Hardware Grades Explained
- Authorities Having Jurisdiction
- Selecting the Right Type of Electric Lock

**2. Doors / Locking Hardware (2 sessions):** Examination of EAC electrified locking components of door hardware.

- How Doors Impact Access Control
- Fail Safe vs. Fail Secure
- Maglock Selection
- Electric Strike Selection
- Electrified Hardware for Glass Doors
- Turnstiles & Security Gates



**3. Readers and Controllers (2 sessions):** *Biometrics/Advanced Credentials. To be covered in these sessions are the function of reader and door controller types, how they are best used, and how they integrate into network/power utility.*

- How to Select the Right Reader
- IP Readers vs. Control Panels
- Multi-Factor Authentication Primer
- Fingerprints
- Palm Vein/Face Recognition
- Heartbeat
- NFC
- Combo Readers/Controllers Tutorial
- Proximity Readers Tutorial
- Keypad Tutorial

**4. Credentials (1 session):** *the theme of this topic is to review the major types used in EAC systems, including emerging types like NFC.*

- Multi-Factor Authentication Primer
- Access Credential Form Factor Tutorial
- Proximity Card Vulnerabilities
- iClass vs. Prox Explained

## Access Control Management Software

### Life Safety and Doors

General overview of the code fundamentals that dominate system designs and specification.

- Life Safety Codes
- ADA/Accessibility
- International



- UL 294
- Fail Safe vs. Fail Secure
- AHJs / Authority Having

### Jurisdiction Tutorial

- Specifying Door Locks

- How Doors Impact Access Control
- Door Hardware Grades Explained

**5. Networking (1 session):** Review of wired/wireless connectivity, and the role of cabling types.

- Access Control Cabling Examined
- Wireless Access Primer

**6. Site Surveys (1 session):** How to properly evaluate a facility for installation of an EAC system.

- The Passback Problem
- Combating the Door Prop Problem
- Access Control Killer: Tailgating
- How Much RTE is enough?

**7. Upgrading / Migrating Systems (1 session):** What happens when the end-user wants to change or migrate to a different system? This session covers the scope of that task.

- Replacing Access Control Systems
- Hidden Costs of Access: The Database

### 8. Access Control Management Software

**(1 session):** Overview of the different parts





of a typical management system, general function of each, how they interoperate, and the resulting impacts to the end-user.

- Access Control Management Software Guide

An overview of 'power features' that are often forgotten or are emerging as "difference makers"

- Time & Attendance Tutorial
- Integrated Video with Access Overview
- Access Control Levels and Schedules
- Alerting Against Unlocked Doors
- Maintaining Access Control Records
- Mustering

**9. Biometrics/Advanced Credentials (1 session):** A quick look at 'other' credentials, where they are useful, where they are vulnerable, and what is hype.

- Fingerprints
- Palm Vein/Face Recognition
- Heartbeat
- NFC vs. Bluetooth (Mobile Credentials)

## Fact File

### Who should attend?



- This course has no prerequisites and is aimed specifically, though not exclusively, at those wishing to change their careers.

- Those already in the Security industry and need to specialize in Access Control systems

Those who have been carrying out access control installations but require certifications in the area to prove their abilities.