

# Access Control Systems - New Trainee Package - £650

**Understanding BS EN 60839-11 for installation and maintenance.**

- **Understanding Locking requirements - Fails Safe vs Safe Secure**
- **Understanding technologies used within Access Control - Standard Prox, Biometrics, Coded Entry, Encryption levels and protocols.**
- **Understanding Installation techniques, infrastructure requirements and equipment and power locations.**

1 day - Theory - Face to Face

**Installation practices -**

- **Containment, Cabling Infrastructure, Cable management, Power requirements, Dressing and Terminating under BS 7671 and system requirements.**

Half day - Practical - Face to Face

**Installation practices -**

- **Choosing the appropriate system type and technology**
- **Door entry vs Door Access**
- **Wireless and Wired Systems**
- **Introduction to cloudbased access control**
- **Wiring topologies for system LAN/Serial Bus (TCP/IP, RS485, RS232)**
- **Release requirements and connections in the event of emergency**

Half day - Practical - Face to Face

**System programming -**

- **Access control functionality and programming features - Anti passback, rollcall, multi level authentication, schedules, database's**
- **Output programming**
- **Introduction to networking of Controllers**

Half day - Practical - Face to Face

**System maintenance requirements - Basic system testing and reporting in line with BS EN 60839-11**

Half day - Practical - Face to Face

# Access Control Systems - New Trainee Package - £750

Applying BS EN 60839-11, BS EN 179, BS EN 1125 and BS EN 13637 in design, installation, commissioning and maintenance.

1 day - Theory - Face to Face

## Installation of Access Control Systems -

- Cable management and power requirements under BS 7671,
- Network infrastructure requirements - TCP/IP or Serial Bus
- Wired vs Wireless Access Control
- Door Access Vs Door Entry
- Cloud Based Access Control, installation requirements and equipment locations
- Emergency and panic escape requirements when installing compliant locking systems under EN 179, EN 1125 and BS EN 13637

1 day - Practical - Face to Face

## Commissioning Intruder Alarm Systems -

- Networking of Access Controllers and multi access Door entry systems
- Programming features and functions to better utilise system functionality
- Cloud based access control system programming
- setting up centralised monitoring of multi-site access control
- Documentation requirements, Electrical testing and customer handover

1 day - Practical - Face to Face

## Maintaining Access Control Systems -

- Applying the guidance of BS EN 60839-11 for system maintenance
- Fault finding throughout Door Access and Access Control systems
- System audit and special inspection during system takeover
- Identifying non-compliances and system reporting

1 day - Practical - Face to Face