

Fire Alarm Systems - New Trainee Package - £650

Understanding BS 5839-1 for installation and maintenance in non domestic premises.

1 day - Theory - Face to Face

Installation practices -

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

Half day - Practical - Face to Face

Installation practices -

- **Device selection**
- **Wiring topologies for detection circuits (Conventional and Addressable)**
- **EOL device monitoring**
- **Sounder and ancillary requirements**

Half day - Practical - Face to Face

System programming -

- **Introduction to input types, zones and loops**
- **Output programming**
- **Zone initialising and finding devices**
- **Setting basic system functions and operational requirements**

Half day - Practical - Face to Face

System maintenance requirements - Basic system testing and reporting in line with BS 5839-1

Half day - Practical - Face to Face

Fire Alarm Systems - Engineer Upskill Package - £750

Applying BS 5839-1 in design (basic overview), installation, commissioning and maintenance.

1 day - Theory - Face to Face

Installation of Fire Detection & Alarm Systems -

- Cable management, Mechanical protection, Niche installation and power requirements under BS 7671 and BS 5839-1,

- Circuit requirements for detection devices, alarm devices, and system networks.

- 3rd party system connections in line with BS 7273 for actuating doors, access controlled doors, and HVAC systems

- Ensuring compliant installations in line with BS 5839-1

1 day - Practical - Face to Face

Commissioning Fire Detection & Alarm Systems -

- System programming at both front end and software, looking at:

*Loops Configuration

*Safe addressing vs. hard addressing

*Device zoning and alarm zoning

*Coincidence alarm

*Double-knock features

*System schedules

*Phased evacuation

*Device linking

*System downloads

*and other areas of cause an effect

- Documentation requirements under Annex G of BS 5839-1, Electrical testing and customer handover.

1 day - Practical - Face to Face

Maintaining Fire Detection & Alarm Systems -

- Applying the guidance of BS 5839-1 for system maintenance

- Fault finding throughout Fire Alarm Systems

*Addressable and Conventional faults

*Earth faults

*short circuit and open circuit faults

- System audit and special inspection during system takeover

- Identifying not compliances and system reporting

1 day - Practical - Face to Face

Signalling requirements to Alarm Receiving Centre -

- Connection and set up of a 3rd party communicator connected to an ARC monitoring for Fire and Fault

- Good practice for signalling installations

*Aerial locations, system considerations, and transmission mediums

- Commissioning and testing of your signalling unit

Half day - Practical - Face to Face