APPRENTICESHIP STANDARD INFORMATION – ST0189 Version 1.1

Overview of the role

Designing, installing and maintaining electronic systems to protect businesses, homes and properties against fires, break-ins and other emergencies.

Typical job titles

- Alarm Installer
- Alarm Technician
- Fire Systems Engineer
- Fire Systems Installer
- Fire Systems Technician
- Security Systems Engineer
- Security Systems Installer
- Security Systems Technician

Standard Title:	Fire Emergency and Security Systems Technician
Standard Level:	3
End-Point Assessment Grades Available:	Fail, Pass, Distinction
Average Gateway Period:	3 months
Assessment Method 1:	Practical assessment with questioning
Assessment Method 2:	Interview underpinned by a portfolio of evidence
Assessment Method 3:	Multiple-choice test
Portfolio of Evidence Required:	Yes
English Requirement:	Minimum Level 2 Functional Skills
Mathematics Requirement:	Minimum Level 2 Functional Skills
Mandatory Qualification 1:	n/a
Mandatory Qualification 2:	n/a
Mandatory Qualification 3:	n/a
On-programme time (months):	36 months (this does not include the EPA period)
EPA Pre-requisite	The apprentice **must** hold an Electrotechnical Certification Scheme (ECS) card before starting their end-point assessment

Additional Information:

You will need to compile a portfolio of evidence, during the on-programme period, to underpin the end-point assessment (EPA) interview. The portfolio:

- Must contain evidence to demonstrate the knowledge, skills and behaviours (KSBs) that will be assessed during the interview (assessment method 2)
- Will typically contain 5 discrete pieces of evidence
- Must have evidence which has been mapped against the KSBs

Evidence sources you can include in your portfolio include:

- Work documentation and records
- Workplace policies and procedures
- Witness statements
- Annotated photographs
- Video clips with a maximum total duration of 10 minutes (the apprentice must be in view and identifiable)

Evidence cannot include reflective accounts or any methods of self-assessment

Any employer contributions should focus on direct observation of performance (for example witness statements)

Training Plan Modules

Duty 1: Work in a safe manner, applying the systems, processes and organisational procedures used to ensure compliance with health and safety and other relevant legislation

Duty 2: Work with designs, specifications and installation manuals to effectively comply with industry standards and ensure customer expectations have been fulfilled

Duty 3: Plan and complete first fix cable runs using the correct methods of containment and protection

Duty 4: Use a range of meters to take measurements and interpret the readings against expected results

Duty 5: Use different types of data transmission ensuring its security is in accordance with Data Protection legislation

Duty 6: Complete complex and non-complex installations of fire, access control, intruder alarm and video surveillance systems

Duty 7: Carry out and record diagnostic tests, maintain and service systems

Duty 8: Complete the commissioning and handover procedure of a system

Duty 9: Complete company approved documentation detailing corrective outcomes and produce all required paperwork to handover systems

Duty 10: Carry out programming and configuration of all fire or security systems

Duty 11: Isolate communication links to remote monitoring centres, testing links and reinstating

Duty 12: Train users in the correct operation of their system