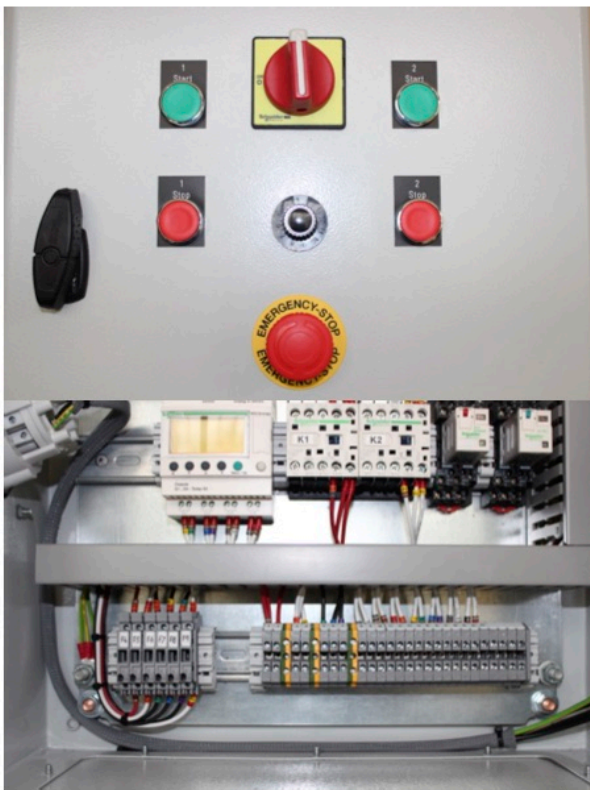
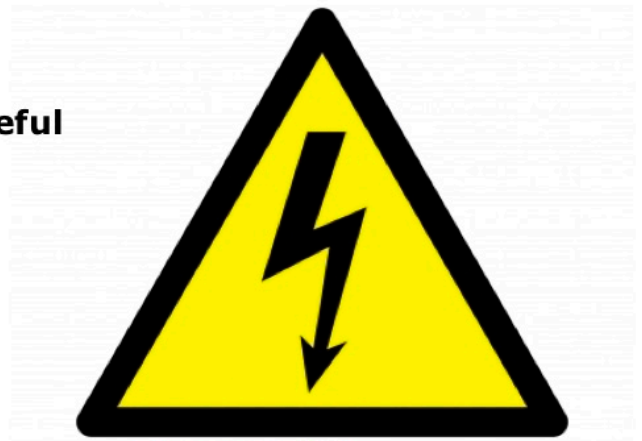

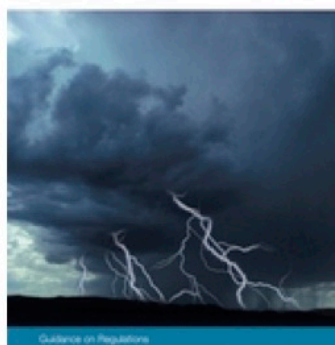


# Training Course Catalogue

- **Delivered on Site**
- **Bespoke to your needs**
- **Interesting, Enjoyable and Very Useful**



 Health and Safety Executive  
**Memorandum of guidance on the Electricity at Work Regulations 1989**



**TINSON TRAINING**

Specialists in Electrical Training

[www.tinsontraining.co.uk](http://www.tinsontraining.co.uk)

Tel. No. 0333 939 8545

## **About Tinson Training**

Tinson Training is a limited company in England and Wales and was established in 2008. Since that time the company has grown and amassed a list of clients from large corporates to small businesses. All training courses are delivered on clients sites and therefore are courses specifically for that business. As a consequence of this all topics will be relevant to your attendees on the course. The course will focus on what your people need to learn.

All courses are assessed so that we can establish that the attendees have passed the course. This will be of particular use in relation to Health and Safety and also useful to ascertain that the topics covered have been understood by the attendees.

Our tutors are all experienced and qualified engineers who have amassed a wealth of experience and therefore will be very familiar with the typical issues that people encounter in the course of their work. Not only are our trainers qualified and experienced in the subject areas they are also qualified teachers and trainers.

We can offer training courses throughout the UK and Ireland.

Training courses will have safety at the core of the programme. Whilst it is our intention to up-skill people we will also ensure that they are fully aware of the dangers and are trained to operate in a safe manner.

The courses listed in this document are example courses which are common courses that we deliver. All courses can be modified to suit and we will design courses to meet our clients needs.

For further information visit our website [www.tinsontraining.co.uk](http://www.tinsontraining.co.uk) or call us on 0333 939 8545

# Electrical Safety Awareness Training

The Electrical Safety Awareness Training Course is for those people who need to work on electrical equipment who either have no electrical qualifications or those who need a reminder of electrical dangers and safe working practices.

**Duration:** One Day (approx 7 hours)

**Typical Participants:** Any person who needs to carry out electrical tasks from the simple to the more complex who should be fully aware of electrical dangers and how to work safely.

**General Information:** This course will be customised to your requirements and will relate to the type of activities that people need to carry out. The course attendees will be assessed upon completion of the course so that you can be assured that they have learnt. The course will be certificated as 'Successful Completion' and will therefore be invaluable for health and safety purposes.

**Typical Content:**

- Basic Electrical Principles
- The Dangers of Electricity
- Safe Working Practices (Isolation and Live Working)
- Protection from Electric Shock
- Excess Current Protection
- The Importance of Safe and Secure Electrical Connections
- Electricity at Work Regulations 1989
- Inspecting and Checking Electrical Equipment for Safety

# Electrical Machinery Maintenance Training

The Electrical Maintenance Training course is ideal for people who need to carry out maintenance activities on equipment who have no electrical qualifications.

**Duration:** Two Days

**Typical Participants** This course is designed for your non electrical staff who are carrying mechanical maintenance or servicing of equipment and where you would like them to expand into dealing with electrical equipment.

**General Information**

Tinson Training Electrical Maintenance Training Courses are designed with the Maintenance and Service Engineer in mind. Our courses will cover the fundamental principles of electrical engineering in sufficient depth to enhance skills for fault finding.

The training will focus on principles that have real application particularly for fault finding. Courses cover the minimum amount of maths and keep the trainees stimulated with real working examples.

Components such as motors, relays, sensors are covered with a view to be able to speedily diagnose a failed component, identify the operating specifications, locate a replacement part and fit a new one. Upon completion of Tinson Training programmes the trainees will feel an increased level of confidence to fault find and repair systems.

**Typical Content**

- Basic Electrical Principles
- Simple Electrical Circuits
- Tools and Equipment
- DC Supplies
- AC Supplies -Single and Three Phase
- Typical Electrical Components (Contactors, DC Power Supplies, Transformers, relays etc)
- Motors (Single and Three Phase)
- Control Systems
- Understanding Electrical Diagrams
- Fault Finding Techniques
- The Dangers of Electricity and Safe Working Practices
- The Electricity at Work Regulations 1989

# Electrical Machinery Maintenance Training

The Electrical Maintenance Training course is ideal for people who need to carry out maintenance activities on equipment who have no electrical qualifications.

**Duration:** Three Days

**Typical Participants:** This course is designed for your non electrical staff who are carrying mechanical maintenance or servicing of equipment and where you would like them to expand into dealing with electrical equipment.

**General Information:** The three day course allows more time to go into more depth in relation to maintaining and repairing industrial electrical equipment. It will cover all the topics of the to day course but will allow more time to understand the principles behind electrical circuits. This course will cover more technology such as variable speed drives and PLCs.

**Typical Content:**

- Basic Electrical Principles
- Simple Electrical Circuits
- Tools and Equipment
- DC Supplies
- AC Supplies -Single and Three Phase
- Motors (Single and Three Phase, DC)
- Typical Electrical Components (Contactors, DC Power Supplies, Transformers, relays etc)
- Control Systems
- Understanding Electrical Diagrams
- Inverter Drives
- Principles of PLCs
- Fault Finding around PLC controlled equipment
- Fault Finding Techniques
- Enhanced circuits principles
- Safety and Emergency stop circuits
- Studying Circuit Diagrams of your equipment
- The Dangers of Electricity and Safe Working Practices
- The Electricity at Work Regulations 1989

# Electrical Maintenance for Sites / Buildings

The Electrical Site / Property Maintenance Training Course is for those people who carry out maintenance on buildings and sites who are not electrically qualified but need to carry out simple electrical maintenance tasks.

**Duration:** Two days

**Typical Participants:** This course is intended for those people whose role involves the maintenance of buildings or sites. It is ideal for a person who needs to look after the first line maintenance in offices, retail outlets, schools etc.

**General Information:** It is typical that those people who would attend this training would not possess electrical qualifications but they would become involved in simple electrical maintenance including resetting circuit breakers, relamping, replacing damaged sockets etc. The attendees are assessed at the completion of the course and those successful will be awarded a Certificate of Successful Completion

**Typical Content:**

- Basic Electrical Units and Principles
- Fundamentals of Electrical Circuits
- Fault Finding Tools, aids, test equipment and their correct use
- Circuits in buildings (power, lighting, heating etc)
- Electrical Circuit Protection, MCSs, Fuses and Distribution Boards
- Lighting Circuits and Equipment
- Appliances and Ratings
- Replacing Like for Like Components (light fittings, sockets, switches)
- The Dangers of Electricity and Safe Working Practices
- Electrical Isolation Procedures
- Typical faults, their causes and rectification
- Understanding Limitations
- Awareness of Wiring Regulations
- The Electricity at Work Regulations 1989

# Electrical Fault Finding Training

The Electrical Fault Finding Training course is ideal for people who need to carry out maintenance activities on equipment who have no electrical qualifications.

**Duration:** Two Days

**Typical Participants:** This course is designed for your non electrical staff who are carrying mechanical maintenance or servicing of equipment and where you would like them to expand into dealing with electrical equipment.

**General Information:** Tinson Training Fault Finding Training Courses are designed for the person who needs to fault find on electrical equipment. Our courses will cover the fundamental principles of electrical engineering in sufficient depth to enhance skills for fault finding.

The training will focus on principles that have real application particularly for fault finding. Courses cover the minimum amount of maths and keep the trainees stimulated with real working examples.

Components such as motors, relays, sensors are covered with a view to be able to speedily diagnose a failed component, identify the operating specifications, locate a replacement part and fit a new one. Upon completion of Tinson Training programmes the trainees will feel an increased level of confidence to fault find and repair systems.

**Typical Content:**

- Basic Electrical Principles
- Electrical Supplies
- Electrical Circuit Protection
- DC Supplies
- AC Supplies -Single and Three Phase
- Electrical Circuit Protection
- Understanding Electrical Diagrams
- Fault Finding Techniques
- Using Instruments in Fault Finding
- Testing components (these will be relevant to your equipment)
- The Dangers of Electricity and Safe Working Practices
- The Electricity at Work Regulations 1989

# Electrical Isolation Training

The Electrical Isolation Training Course can be delivered anywhere within the UK and will be customised to your exact requirements dealing with your specific Isolation Requirements

**Duration:** Half Day (Approx 4 Hours)

**Typical Participants:** Electrical Isolation is aimed at any person who has the responsibility for isolating electrical supplies whether it be for electrical or non-electrical work.

**General Information:** This training course ensures that the attendees have a basic understanding of electricity such they appreciate the need for electrical safety by isolating electrical supplies before work is carried out

**Typical Content:**

- Basic Electrical Principles relating to Electrical Dangers
- Electrical Hazards
- The Requirements for Electrical Isolation
- Electrical Isolation Methods and Procedures
- Your own Isolation Procedures / Permits etc.
- The Electricity at Work Regulations 1989



# Electrical Panel Entry Training

The Electrical Panel Entry Training Course is designed for factory production staff (typically those in a supervisory role) who would benefit from training to enter electrical panels to reset trips and overloads or make adjustments.

**Duration:** Six Hours

**Typical Participants:** Production supervisors, team leaders, senior operators or maintenance staff.

**General Information:** This course would provide the necessary understanding of dangers and technical aspects to allow a responsible person enter an electrical control panel to typically reset tripped out circuits.

**Typical Content:**

- Basic Electrical Principles and Units
- Simple Electrical Circuits
- Overview of voltages in typical panels and their dangers
- Understanding Electrical Dangers
- Understanding the causes of tripped out circuits
- Entering Electrical Panels to Reset Trips or make adjustments.
- Protection from electric shock
- The legal implications and requirements
- Understanding limitations and restrictions

# Basic Plumbing Repairs

This training course is aimed at facilities maintenance personnel and is intended to help the attendees deal with plumbing related problems such as leaks and blockages.

**Duration:** One Day

**Typical Participants:** Building and facilities staff, caretakers, maintenance staff.

**General Information:** This training course is intended to give the attendees confidence in dealing with front line plumbing issues. The course will allow the attendees to understand how problems have occurred and give them methods to deal with the problems. The course will cover appropriate tools to use..

**Typical Content:**

- Basic Plumbing Overview
- Tap Maintenance and changing
- WC syphon replacement
- WC filler replacement
- Radiator leaks
- Type of fittings
- Pipework
- Overview of heating systems
- Immersion heater changing
- Blockages - sinks and urinals
- Dealing with Legionella
- Water Regulations