

May 2023

# CASE STUDY

WORKING ALONGSIDE  
"THE FOCUS TRAINING  
GROUP - BRISTOL" TO  
EDUCATE FUTURE  
ELECTRICIANS.



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The education of BS 7671 (the British Standard for electrical installations) is taught to future electricians over the course of several years. It sets out the requirements for the design, installation, inspection, and testing of electrical systems, with the aim of ensuring their safety and proper functioning. While it does cover fire detection and alarm systems, it is not a dedicated standard for this area.

Electricians often install domestic fire and carbon monoxide (CO) detection systems as part of their daily tasks without receiving any additional training beyond BS 7671. Regulation 560.10 details that fire installations should be compliant to BS 5839 and electricians may need additional training and knowledge to install and maintain fire detection systems effectively. It is therefore important that training is provided to the below standards:

- BS 5839-6 2019 (A+2020) provides recommendations for the design, installation, commissioning, and maintenance of fire detection and alarm systems in domestic buildings.
- BS EN 50292 2013 is a British Standard that provides guidance for the design, installation, commissioning, and maintenance of CO detection systems.

In addition to producing high-quality life safety products, Aico is committed to raising awareness of the dangers of fire and CO, and providing training to professionals who work in the housing sector.

By working with colleges such as The Focus Training, Aico equip future electricians with the knowledge base and skills they need to install, commission, and maintain fire and CO detection systems. Therefore, improving awareness of fire and CO safety in homes and building a safer future for all.

# WHY IS FIRE AND CO SAFETY IMPORTANT?

Fire and CO poisoning are serious risks that can result in injury, loss of life, and damage to property. According to government statistics, there were 243 fire-related deaths in England in the year ending March 2020. Carbon Monoxide is a colourless, odourless gas that is produced by fuel-burning appliances, such as boilers and cookers, and can cause headaches, dizziness, nausea, and even death. It is estimated that there are around 50 deaths and 4,000 hospitalisations due to CO poisoning each year in England and Wales. Aico is committed to developing innovative, reliable, and effective fire and CO detection products that help to keep people safe in their homes. Aico's products are designed and manufactured in Ireland and are backed by industry-leading technical support and customer service. All products are thoroughly tested within regulations to make sure they meet every UK standard and all carry the relevant British Standard Kitemark.

## TRAINING PROGRAMMES

Aico offer CPD accredited training approved by the Fire Industry Association. Our award-winning Expert Installer training can be delivered on-site or online, depending on the college's preferences and requirements. This is delivered by experienced Regional Specifications Managers, based across the UK. Aico also provide full nationwide technical support offering advice on alarm selection, siting, installation and maintenance, as well as specification documents and a dedicated installer training scheme, Expert Installer.







Aico's Regional Specification Manager, Peter Price-Higgott recently took the opportunity to deliver Aico's informative training programme at "The Focus Group – Bristol". Aico's training covers the range of topics related to fire and CO safety. These include:

- An overview of the company, manufacturing facilities, core values and corporate social responsibilities.
- Best practices for fire and CO safety as per British Standards, Regulations and Legislation.
- Detailing the different types of systems and where they should be applied.
- System design, explaining the recognised grades and category of the systems.
- Alarm types, practical application, certification & technologies.
- System installation, interconnection, commissioning, and maintenance of alarms and the importance of correctly siting alarms.

Aico also offer bespoke training demonstration boards for students to familiarise themselves with the products and how to install them.

# THE COLLEGE

The Focus Training Group is an established group offering quality training to anyone who wishes to improve their skills, qualifications, and future career prospects.

The group comprises of four different offerings, each dedicated to service a range of industries and job roles, offering training and also employment opportunities. The Focus Training Group consistently deliver exceptional quality apprenticeships and short course training across five dedicated centres in Bristol, Exeter, Newton Abbot, Plymouth and Redruth.

The ethos of the company is: "To realise every learners' full potential by offering quality training to all who want to improve skills, qualifications and career prospects."

Focus training mission statement can be found here if you wish to extract anything from this to reference: [www.thefocustraininggroup.com/why-us/mission-statement](http://www.thefocustraininggroup.com/why-us/mission-statement)



"Thanks to Peter from Aico for coming to our Focus training college, in Bristol, to talk about Aico products, installation and commissioning.

It was particularly interesting about the building regulations as opposed to the Electrical BS7671 regulations when referring to the various fire alarm products and where to install them, where to position them and how to link to existing systems for upgrading.

The hands-on demonstration of your demo boards was also very useful as it actually showed how easy it was to set them up etc, I know this was also useful for the apprentices as they work better with the practical hands-on approach. This coupled with your own practical electrical knowledge helped immensely to their understanding.

Nick Palmer, Training Officer



# STUDENT FEEDBACK



Stefan: “The slides and presentation were very informative and visually stunning. Pete really knew how to effectively captivate the students in the classroom, he made sure the presentation contents were relevant and showed us how to use the guidebook he gave us, which was a great tool for assessing which alarms and sensors to fit within different dwellings. I learnt about the fire regulations in BS 5839 and BS EN 50292 and the different grading of accommodations and how to implement these standards when installing the Aico products into new installations.”

Ethan: “I found the course useful, to help my further understanding of the fire safety regulations. Pete was very engaging and gave a fun and professional presentation.”

Dan: “Pete was very engaging; I can use a lot of what he was talking about at work. I learnt a lot about the ideal location of the detectors in the rooms to ensure they are as efficient as possible.”

Vince: “Pete explained about the smoke alarms thoroughly and kept the class engaged.



If you are a training provider and are interested in learning more about Aico's training programmes, visit our website and get in contact with your local Regional Specifications Manager: [www.aico.co.uk/find-a-regional-spec-manager](http://www.aico.co.uk/find-a-regional-spec-manager)