Training courses
Safety Circuits and Wiring

A review of control categories and safety circuits wiring

Apply the practical concepts of the theories behind safety related controls systems. This training translates the conversations of control reliable circuits and control categories to a self-paced. interactive and hands-on approach.

Each attendee (or groups of two (2)) are provided individual training boards with a mix of safety components as found within the industry, from electrical mechanical interlocks to electronic light curtains and RFID safety sensors. Several safety scenarios are then presented ranging from low risk applications to high risk, complex applications requiring controlled locking which attendees design and wire with the guidance of a subject matter.

Upon completion of the Course, learners will be able to:

- List and describe the 5 types of design Categories for a safety circuit
- Explain the difference between single and dual channel safety circuits
- Describe the difference in safety circuit designs and wirings between electrical mechanical switches and electronic devices
- Demonstrate the different wiring requirements of Categories
- Demonstrate the correct wiring of different safety technologies based on different safety requirements

tec.nicum staff are available to support all learners and answer any questions regarding a training session Monday through Friday between the hours of 8:30am & 4:45pm EST, or during any learning event.

Course information:

Duration: 8 hours (1 day)

Max Attendees: 20

Sessions: In person Virtual

CEUs: 0.6
In order to receive CEU, learner must be present for the entirety of the course (with a functioning camera for virtual event) and successfully pass the course exam with a minimum score of 80%.

tec.nicum is accredited by IACET to the **ANSI/IACET 2018-1 Standard for Continuing Education and Training** .

Disclosure of Proprietary Interest: Prior to the start of any training, it will be disclosed to participants any proprietary interest in the products, instruments, devices, services or materials discussed. In addition, the instructor will also indicate any source of compensation related to the presentation.

Intellectual Property: Schmersal, Inc. has guidelines in place to help ensure that instructors, consultants and learners have appropriate information and recourses about the use of intellectual property and copy-righted materials.

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