





UEE 30820
Certificate III in
Electrotechnology-
Electrician

Presented by U Kyaw Naing
NSW Electrician Licence
NSW Professional Engineer Electrical



Learning Resources Course Developer

This qualification provides individuals with the skills and knowledge to select, install, set up, test, fault find, repair and maintain electrical systems and equipment in buildings and premises. It includes Electrical Regulatory Authority Council (ERAC), or their successor's, Essential Performance Capabilities for an 'Unrestricted Electrician's license'.

WHAT WILL YOU LEARN

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The rest of the background is plain white.

OCCUPATIONAL HEALTH AND SAFETY

OHS RISK ASSESSMENT

CPR

LIVE RESCUE


WHS IN AUSTRALIA

- Australian WHS legislation, codes of practice and duty holders
- Workers' compensation
- Australian standards
- Safety leadership and culture
- Health & safety profession





SAFE MANUAL HANDLING



CHEMICAL HAZARDS

CHEMICAL SAFETY



WORKING AT HEIGHT SAFETY

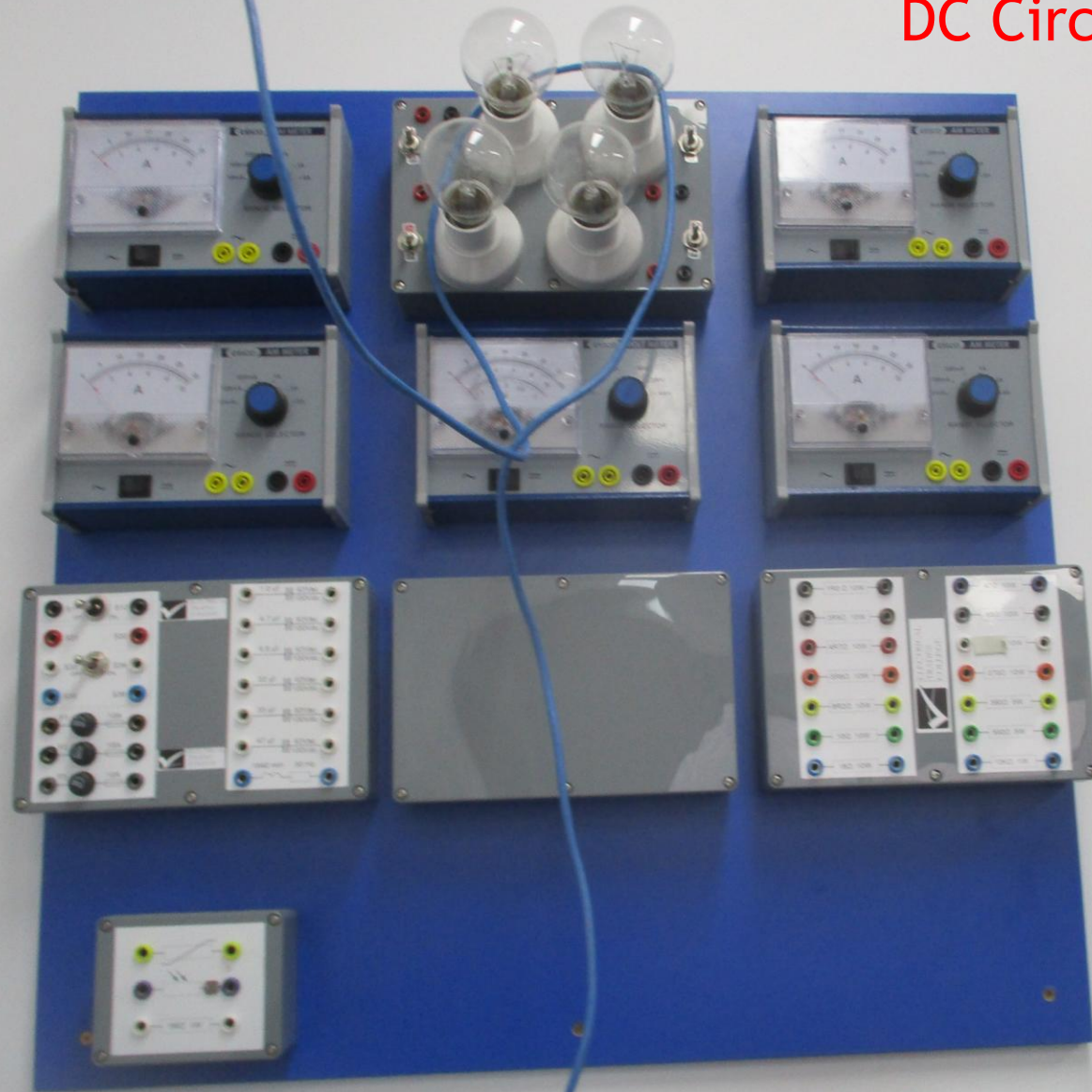


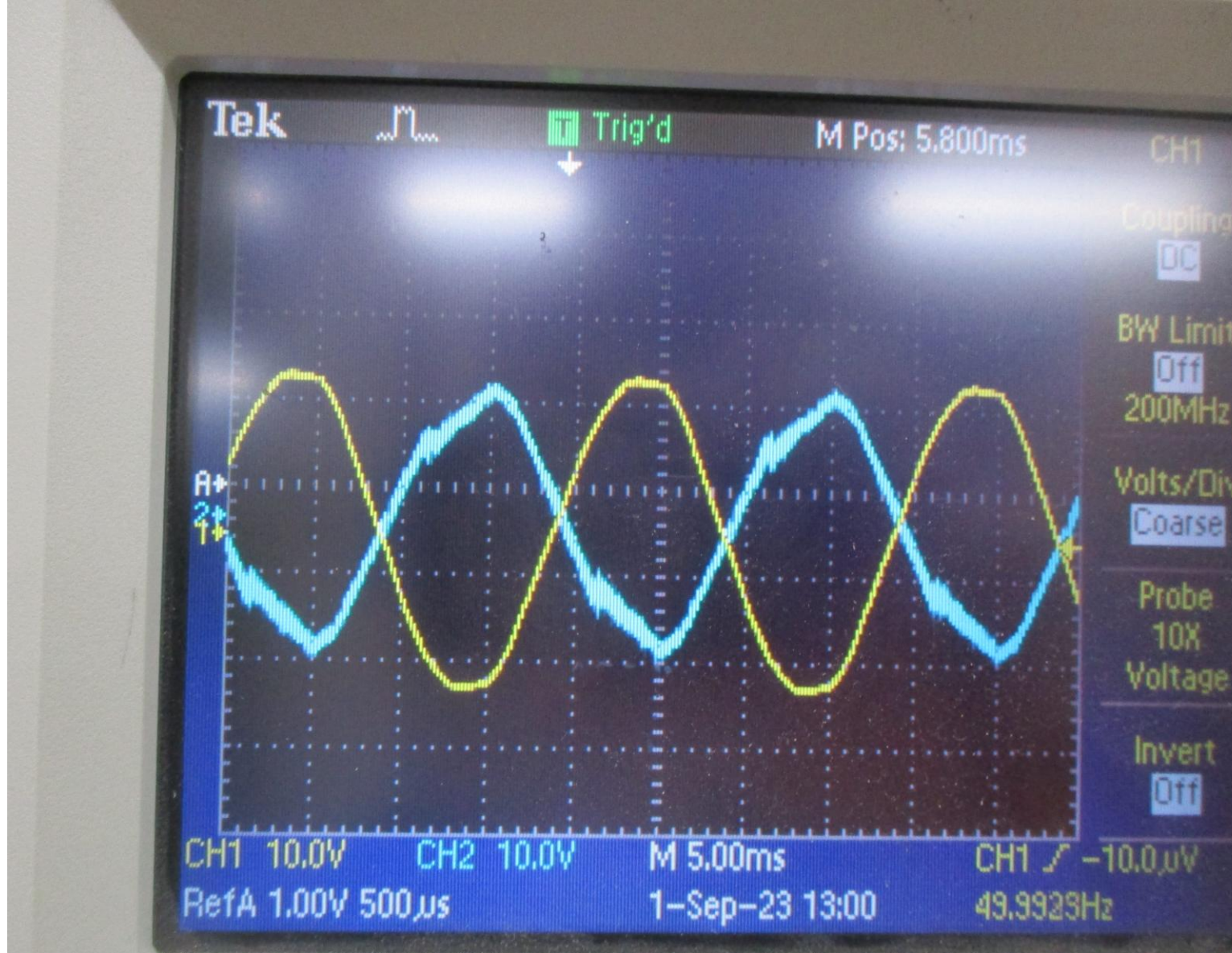
CONFINED SPACE SAFETY

ELECTRICAL PRINCIPLE

- DC PRINCIPLE
- AC PRINCIPLE
- MAGNETISM

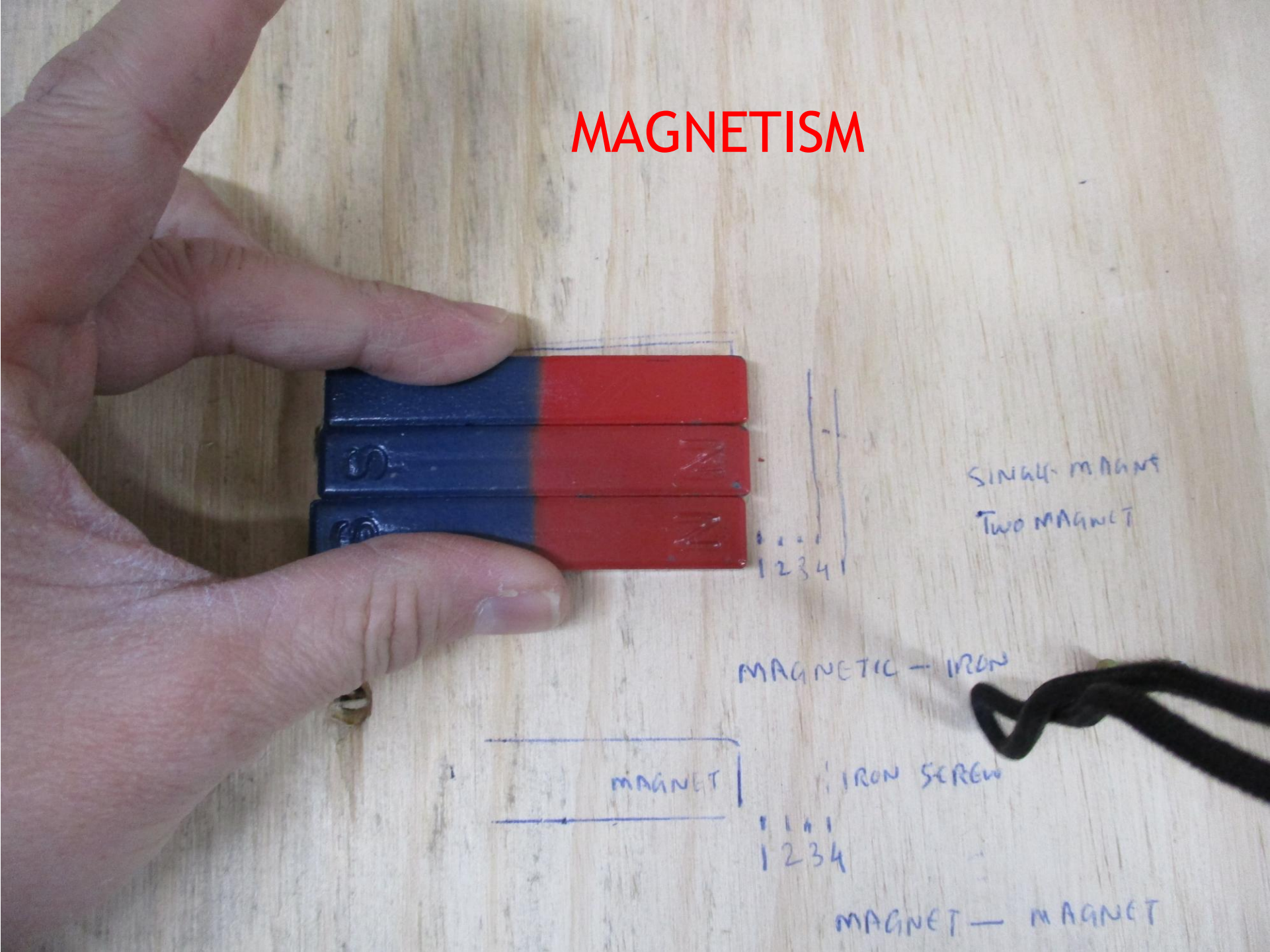
DC Circuits





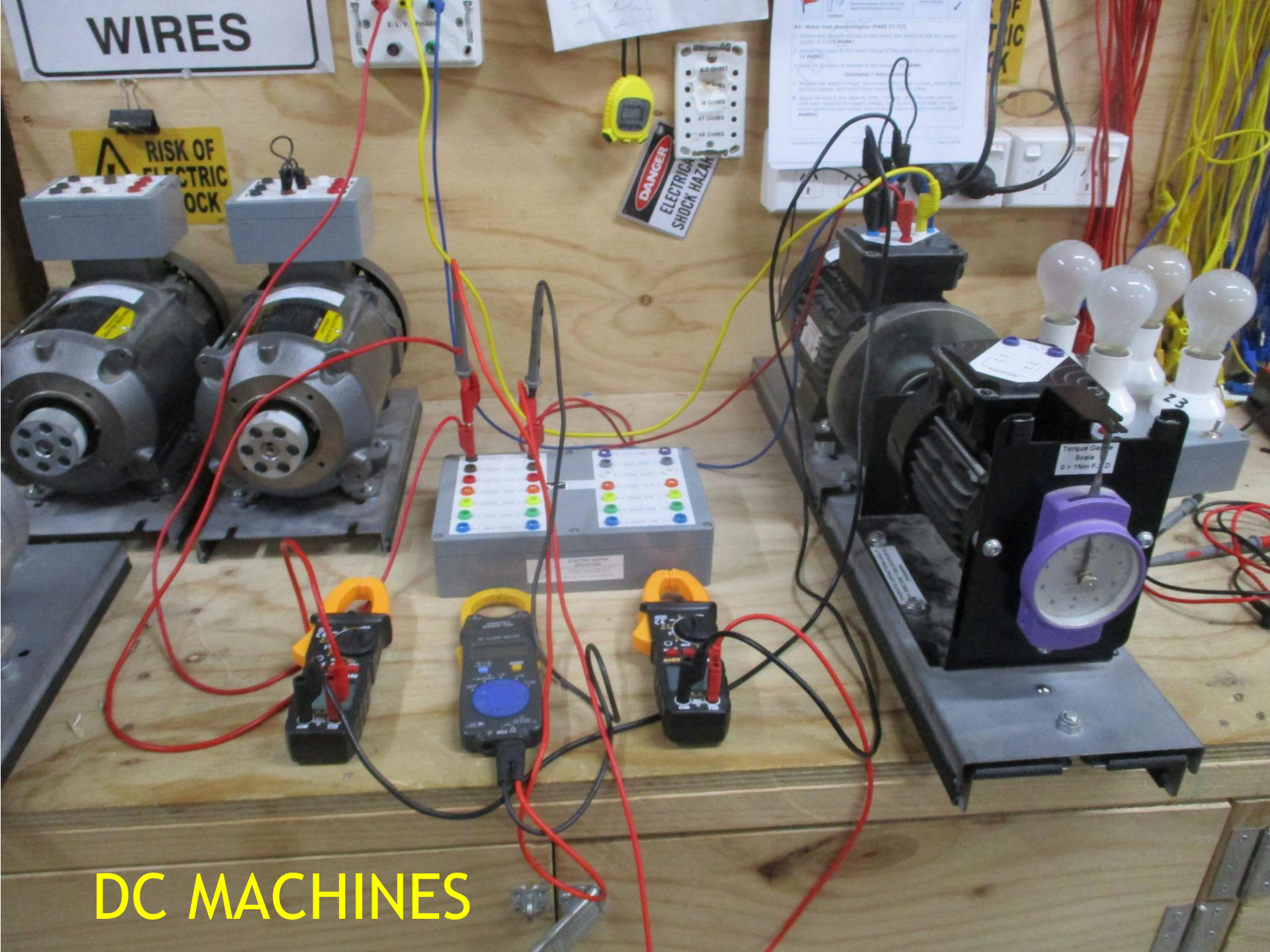
AC PRINCIPLE

MAGNETISM

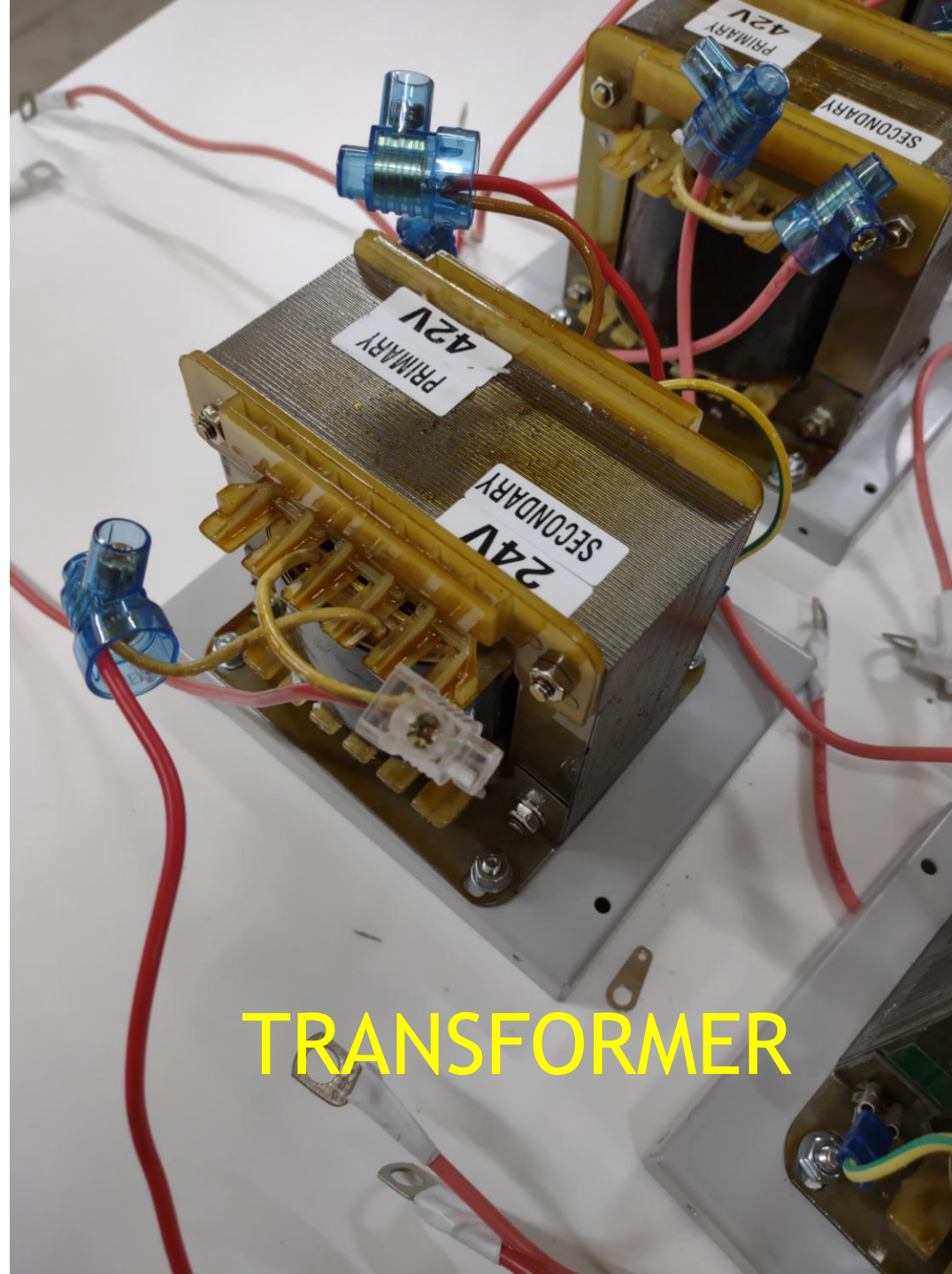


ELECTRICAL MACHINES

- DC MACHINES
- AC ROTATING MACHINE
- TRANSFORMER
- CONTROL



DC MACHINES

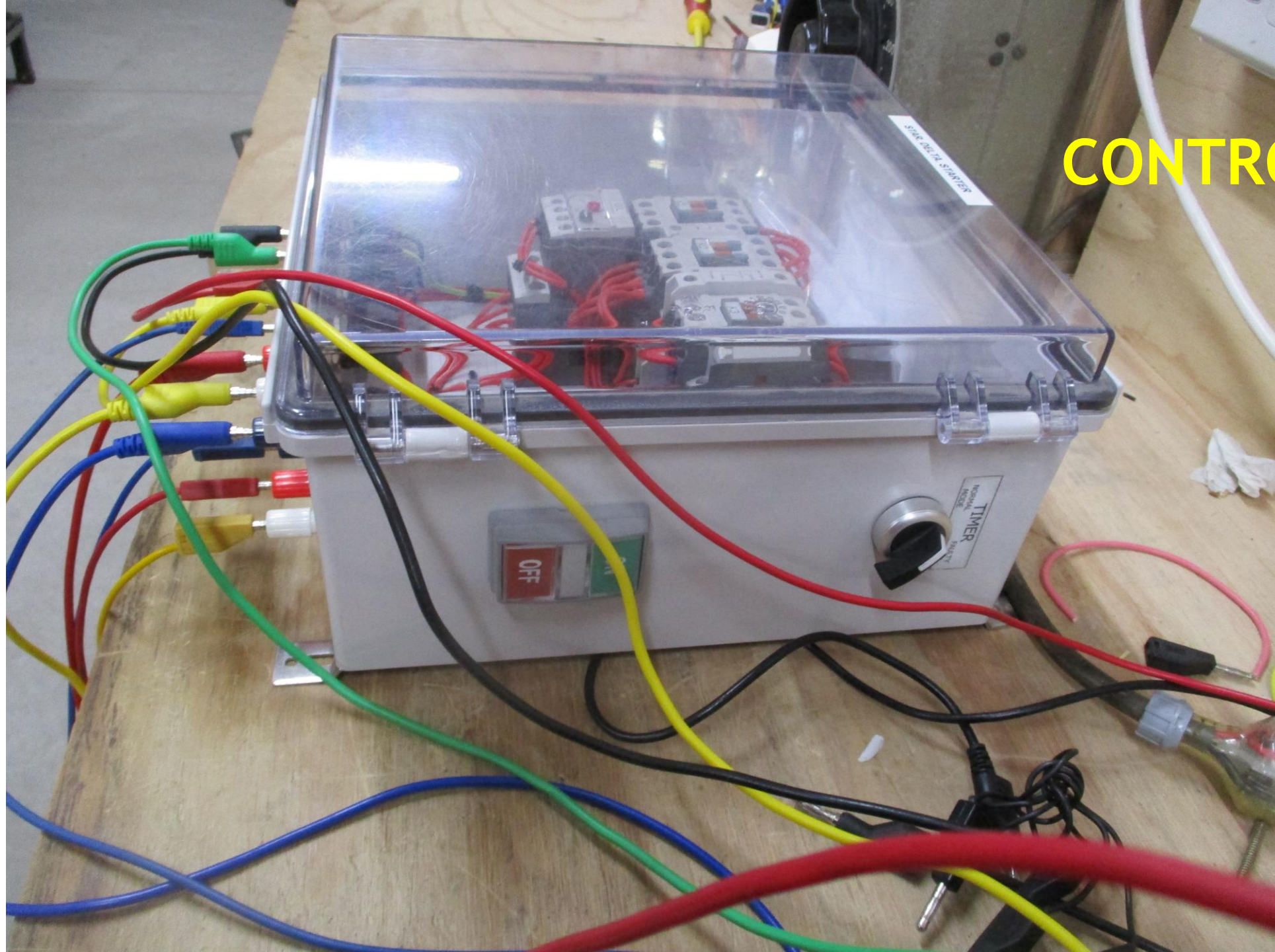


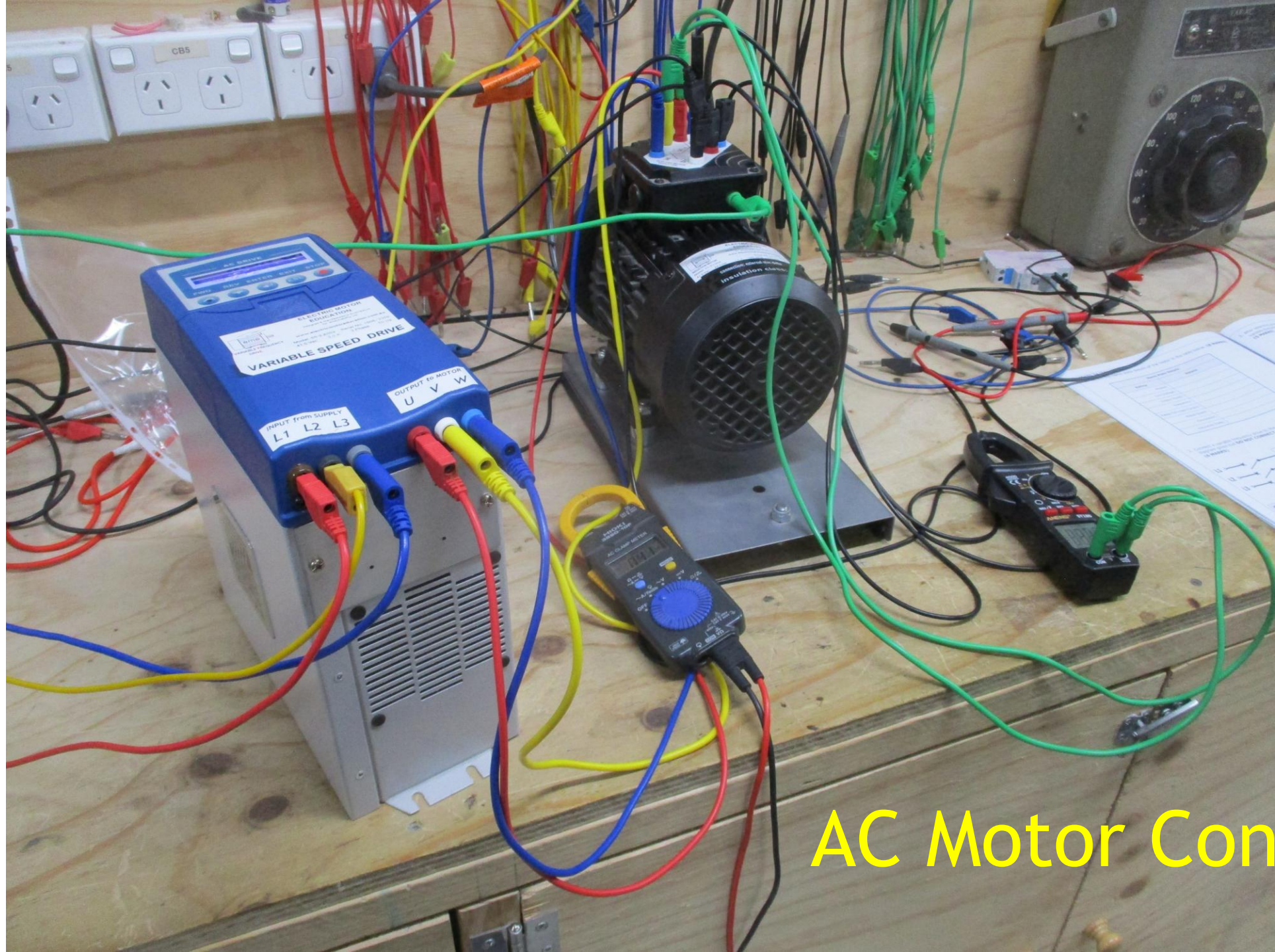
TRANSFORMER

AC MACHINES

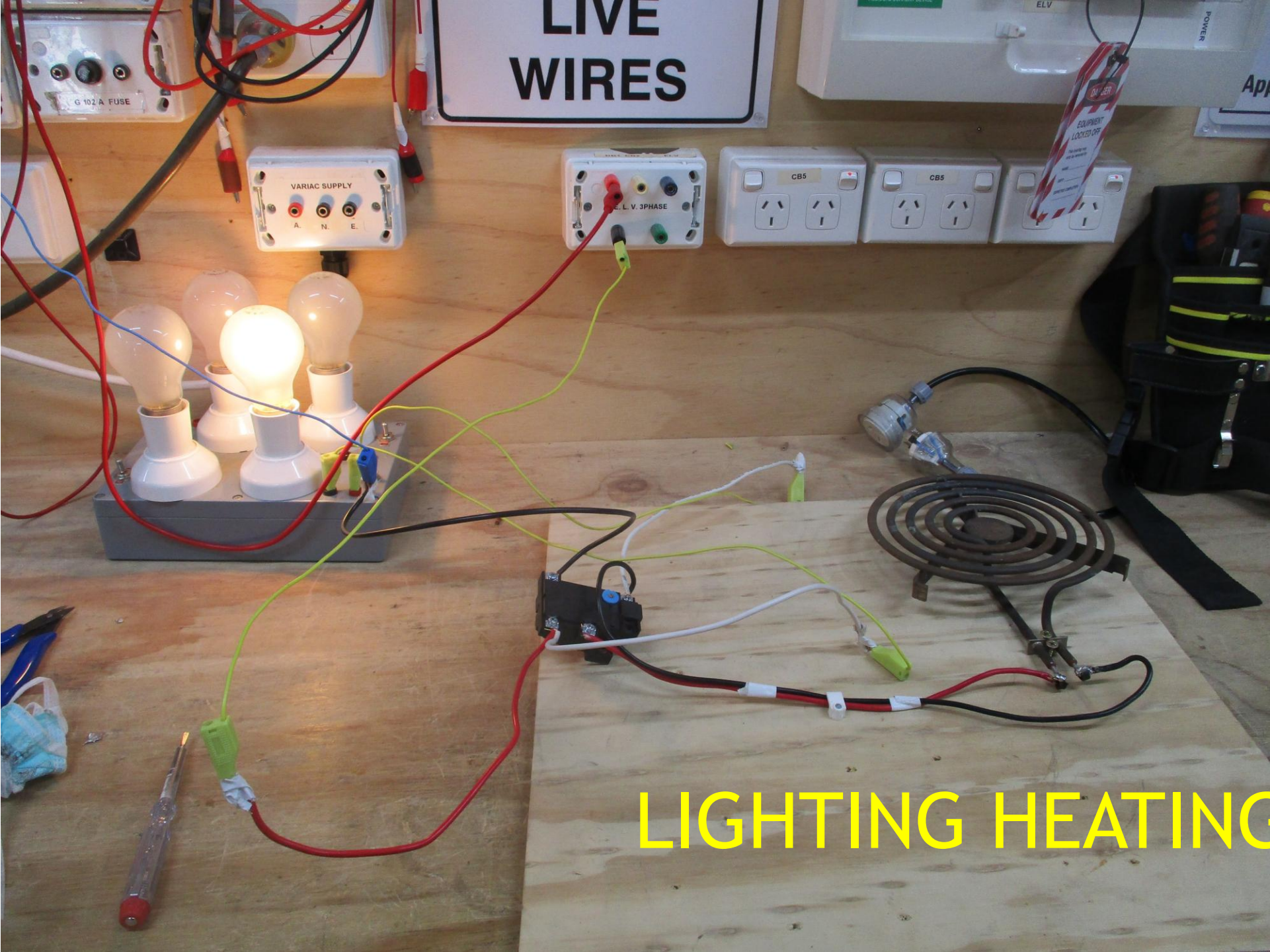


CONTROL





AC Motor Control

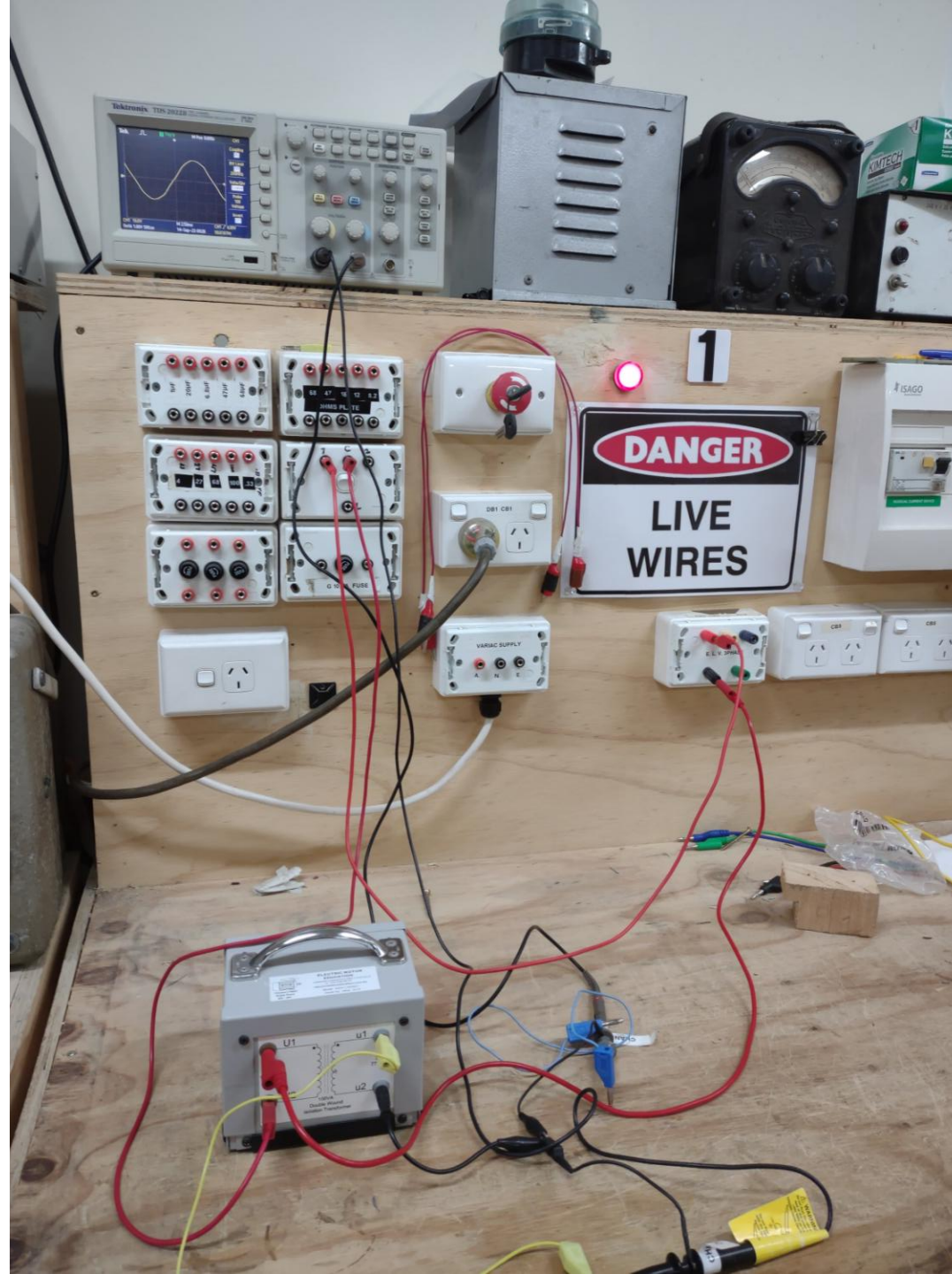


LIGHTING HEATING



LIGHTING

TRANSFORMER

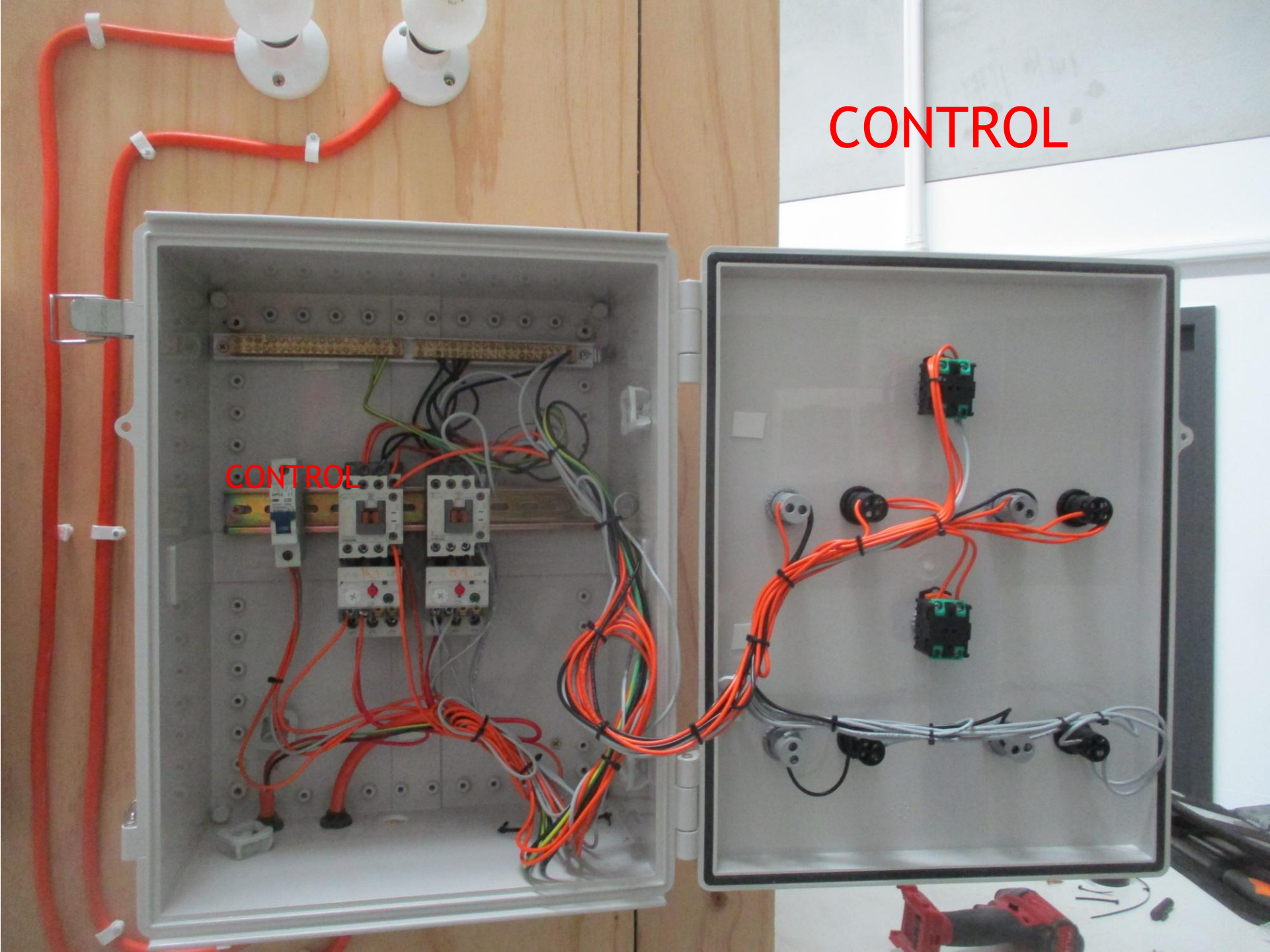


CONTROL



CONTROL

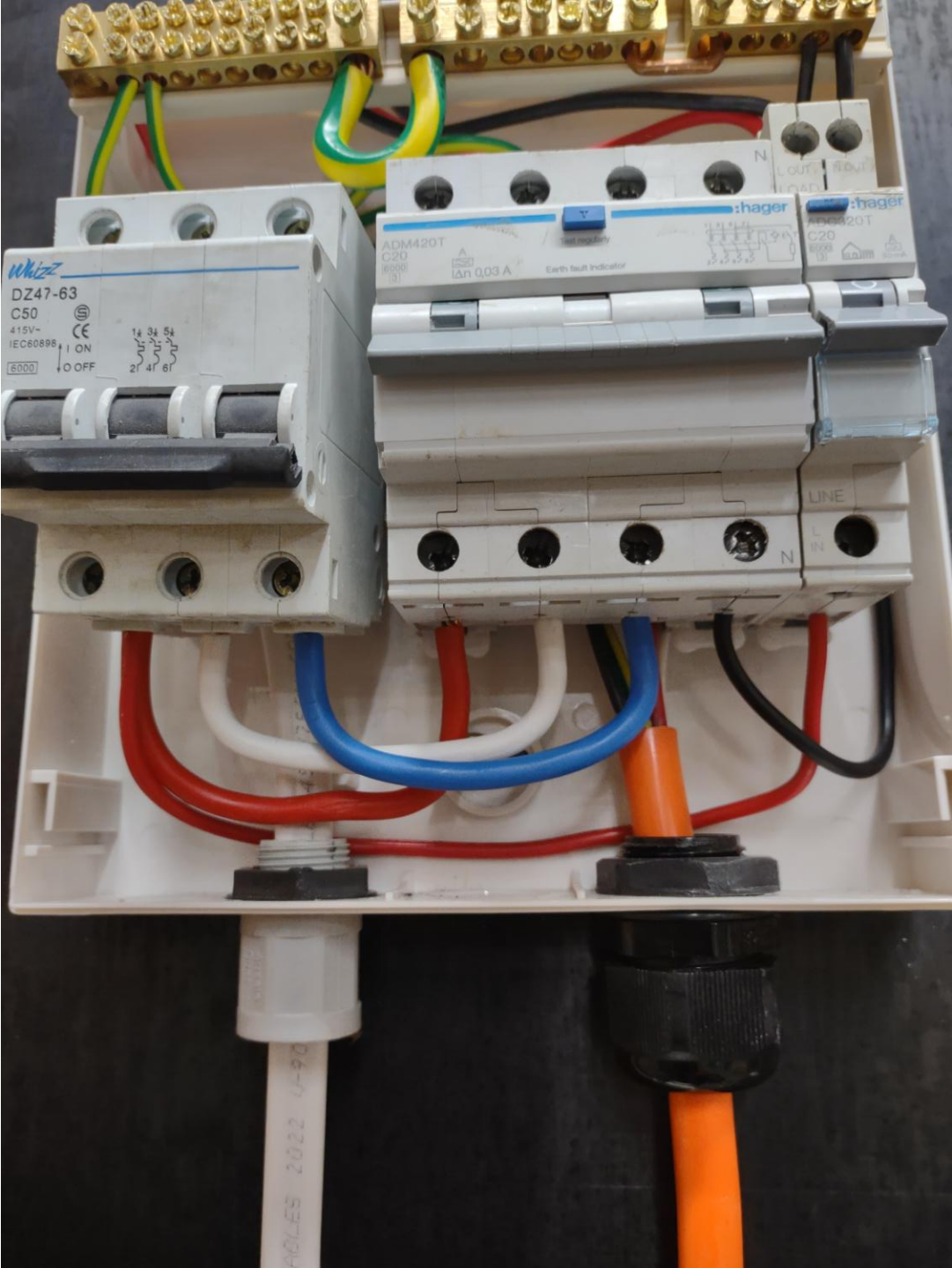
CONTROL



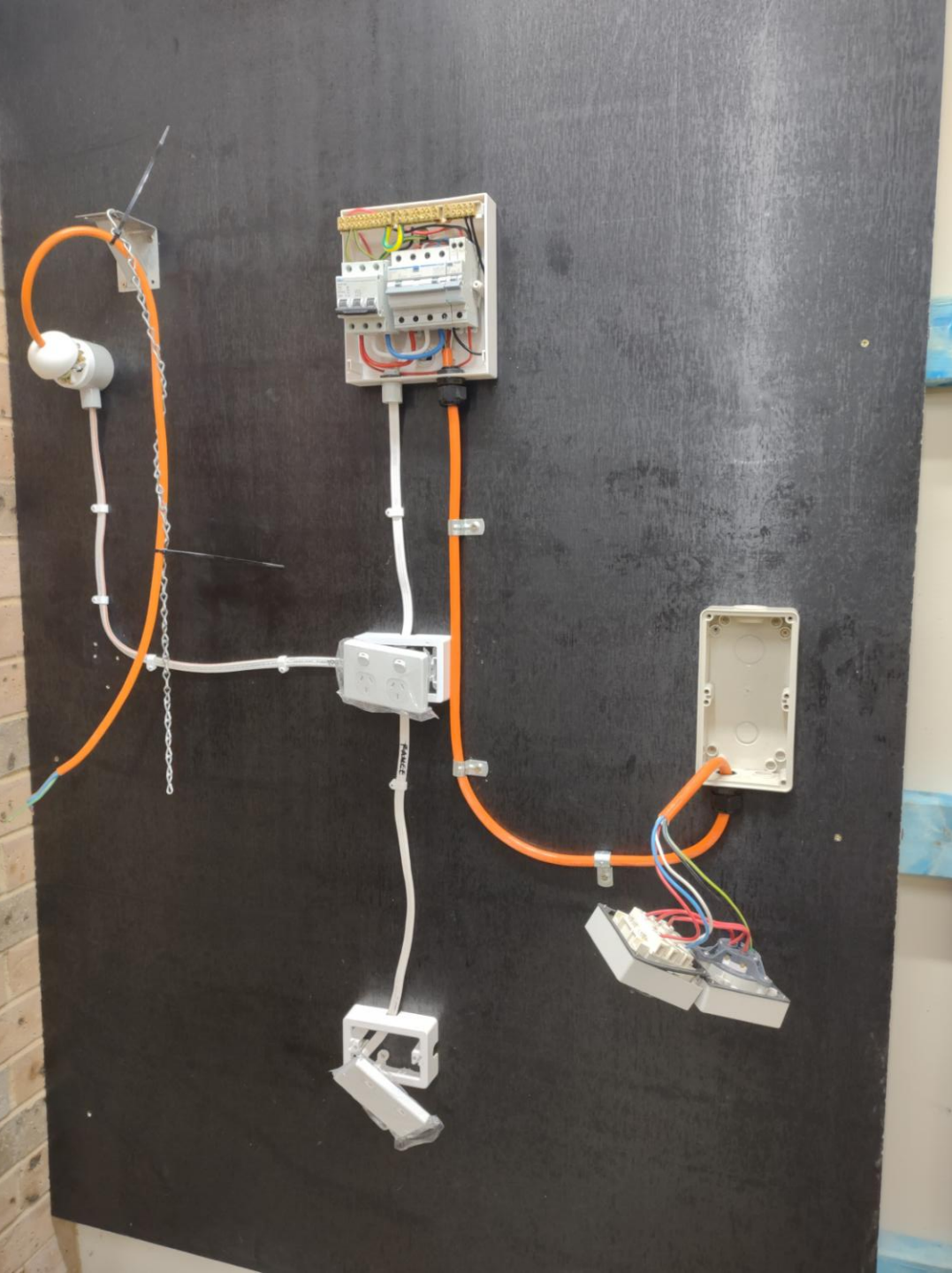
WIRING & PROTECTION

The slide features a white background with a decorative graphic on the right side. This graphic consists of several overlapping, semi-transparent green shapes in various shades, ranging from light lime green to dark forest green. These shapes are primarily triangular and polygonal, creating a dynamic, layered effect. A thin, light grey line also runs diagonally across the lower right portion of the slide, intersecting the green shapes.

SWITCHBOARD WIRING



**RESIDENTIAL &
COMMERCIAL WIRING**



RESIDENTIAL & COMMERCIAL WIRING



ELECTRICAL INSTALLATIONS



ELECTRICAL INSTALLATIONS



ELECTRICAL INSTALLATIONS



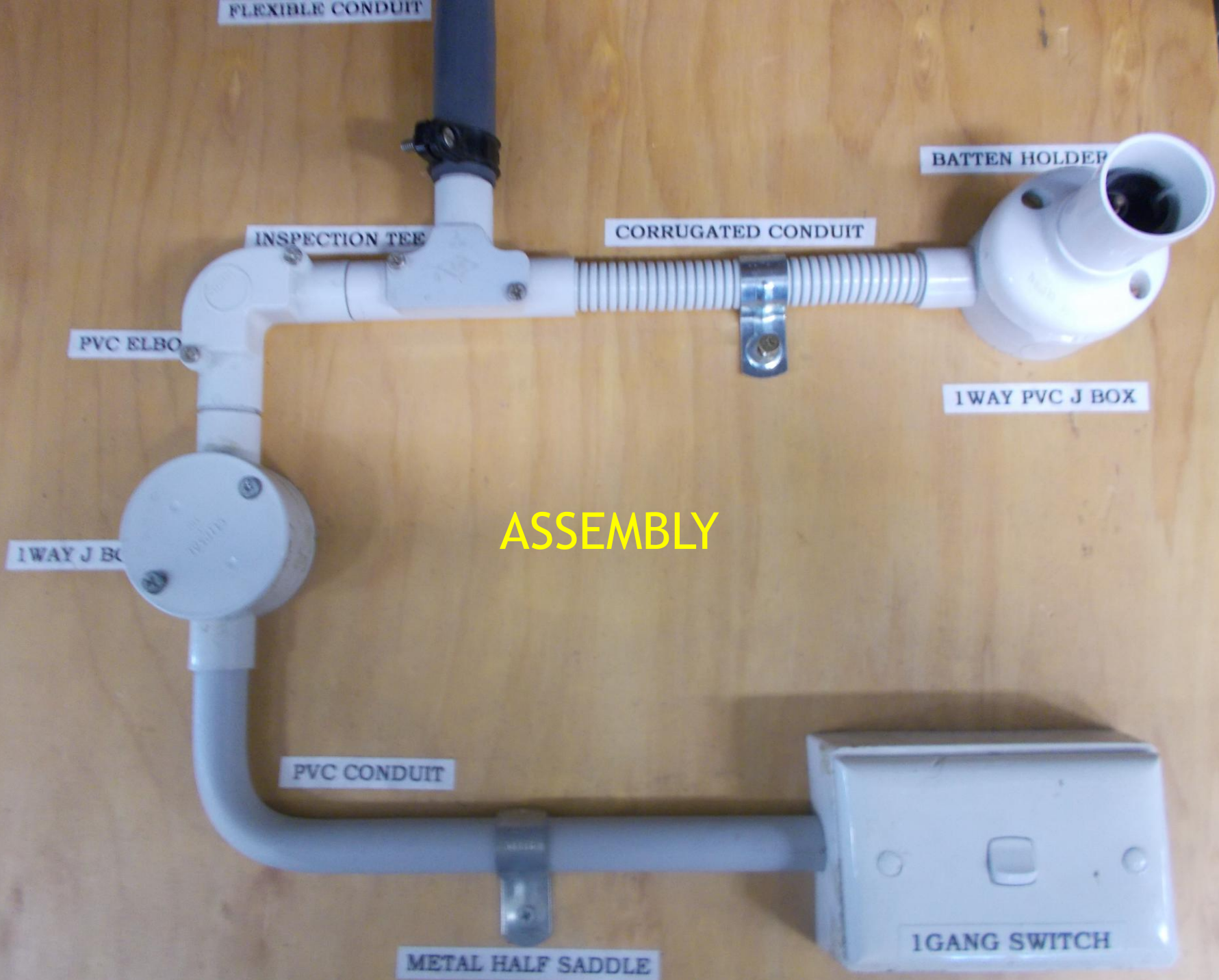
WORKSHOP

FITTING





FITTING & MACHINING



ASSEMBLY



ASSEMBLY

CAPSTONE TEST

UEEEL0039

**COMPLETE CERTIFICATE III
IN ELECTROTECHNOLOGY
ELECTRICIAN**

- WORK EXPERIENCE
- E PROFILING RECORD

APPLY FOR CERTIFICATE OF PROFICIENCY
FROM NSW VOCATIONAL TRAINING REVIEW
PANEL

TRA ASSESSMENT FOR SKILLED VISA

OR

**CONTINUE TO ATTEND
UEE62122 ADVANCED DIPLOMA IN
ENGINEERING TECHNOLOGY
TO CONTINUE THE STUDY AT UNIVERSITY**

END