



(502) 252-9128 or www.impactu.com

TROUBLESHOOTING ELECTRICAL CONTROLS COURSE OUTLINE

THIS CLASS IS 50% HANDS-ON LABS

LEARN TO QUICKLY AND EFFECTIVELY TROUBLESHOOT ELECTRICAL CONTROL CIRCUITS

LABS USING

CONTROL RELAYS PLUG-IN RELAYS TIME-DELAY RELAYS SOLID-STATE RELAYS MOTOR STARTERS PUSHBUTTONS SELECTOR SWITCHES

RELAYS

Coils, Contacts Control, Plug-In, Time Delay, Solid-State

MOTOR STARTERS

Coils, High Voltage Contacts Auxiliary Contacts, Overloads

SOLENOIDS

Coils, Operation

SHORTS

DEAD SHORTS, STUCK CONTACTS INDICATIONS, CAUSES, FINDING SHORTS

OPENS

INDICATIONS, CAUSES, FINDING OPENS WITH A VOLTMETER

READING LADDER DIAGRAMS

TRACING THROUGH THE DRAWINGS WIRE NUMBERS CROSS REFERENCING

SWITCHES

CONTACTS MANUALLY OPERATED SWITCHES AUTOMATIC SWITCHES SCHEMATIC SYMBOLS

CONTROL CIRCUITS DISCUSSED

PERMISSIVE INTERLOCKING HOLDING/SEAL-IN MASTER CONTROL TIME SEQUENCING EVENT SEQUENCING START/STOP JOG/OFF/RUN HAND/OFF/AUTO FORWARD/REVERSING

TROUBLESHOOTING TECHNIQUES

A LOGICAL APPROACH EFFECTIVELY USING THE PRINTS TRACING THROUGH CIRCUITS TIME SAVING TIPS FOR LOCATING OPENS ELIMINATING SHORTS QUICKLY CORRECTLY USING A VOLTMETER

"I LEARNED MORE IN ONE DAY THAN I HAVE IN A YEAR..." RANDALL CHAPMAN - INTERNATIONAL PAPER

BRING ANY OF OUR CLASSES TO YOUR FACILITY

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