



AUTOMATION | ELECTRICAL  
DATA COMM & SECURITY  
INDUSTRIAL & SAFETY  
FLUID POWER

## ELECTRICAL

WED. JULY 27 -  
THURS. JULY 28

8 AM - 4 PM

SMC JOPLIN  
923 W. 4TH ST.  
JOPLIN, MO

# CONTROL WIRING COURSES

Join SMC for our industrial controls 2-day course designed to teach entry level personnel key concepts of industrial control wiring.

Students will become familiar with components of control wiring such as motor starters, push buttons, relays, terminal blocks, as well as identifying symbols and reading and understanding ladder logic drawing commonly used in control wiring design. Students will also have the opportunity to learn basic multi-meter skills.

Through a combination of lecture and hands-on labs, product specialists will present a broad base knowledge for use when troubleshooting in manufacturing plant facilities.

### CONTROL WIRING LEVEL 1

Understanding basic ladder logic and input / output devices. Covering two and three wire control circuits.

### CONTROL WIRING LEVEL 2

Understanding of timing modes, multifunction relays, and interposing relays.

#### + HANDS-ON

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises.

#### COST

One Day: \$625  
Two Day: \$950  
Includes Starter Kit

#### REGISTER

To register, contact Suzan McPherson  
at [smcpherson@smcelectric.com](mailto:smcpherson@smcelectric.com)  
by June 6, 2022.

# SMC STARTER KIT

Included in Course



Jonard Tools® JIC-1022 Insulated Wire Stripper, 22 to 10 AWG Cable/Wire



Bondhus® Felo 53439 E-Smart Screwdriver Set, 14 piece



Fluke® T5-600-USA Electrical Clamp Meter, 0 to 600 VAC/VDC Supply, 1.5% +/-2 Count AC/1% +/-1 Count DC Accuracy, 1000 Ohm Resistance