

Tabletop Mechatronics, AB Micro820 | Multimedia Courseware

PLC Motor Control - WX25050-AA04UEN-E1

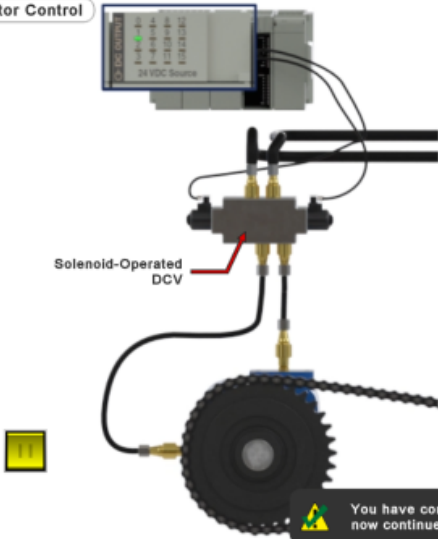
Objective 2: Describe the Operation of a PLC-Controlled Fluid Power Motor

Fluid Power Motor Control

PLCs are also used to control fluid power motors, not just electric motors. Fluid power motors include both hydraulic motors and pneumatic motors.

Fluid power motors most often use a solenoid-operated directional control valve (DCV) to control flow to the motor. The directional control valve performs the same function that a magnetic motor starter performs in an electric motor circuit.

When the PLC turns on its output, it energizes the valve's solenoid, causing the valve to shift and channel air or oil flow to the motor.



You have completed this page. You may now continue on through the curriculum.

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Mechatronics Multimedia Courseware: M25050

This interactive multimedia course for Amatrol's Tabletop Mechatronics Learning System covers automation operations, programmable logic controller operation, basic PLC programming, PLC motor control, pick and place feeding, PLC event sequencing, indexing, and sorting and parts storage. Study in-depth topics like types of operator station discrete logic output devices, the basic structure of a PLC ladder logic program, how to create a PLC project, the operation of a PLC program for a reversing motor control, how to adjust a vacuum switch, how to adjust a capacitive sensor, and much more.

Teach Hands-On Skills

Outstanding Automation Curriculum

This system's curriculum features an astounding breadth and depth of automation topics and skills. Key learning areas include: control system concepts, Mechatronics safety, programmable controllers, PLC programming language, PLC program analysis, motor control basics, program development, timer instructions, time-driven sequencing, and much more!

Multimedia Option

Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

Additional Info

Additional Requirements

- Computer: [See requirements](#)
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