

Pneumatics Technology 3: Course Outline

Catalogue Number	8070-0030
Category	Fluid Motion
Duration	15 Hours
Software Supplied	PneuMotion simulation software

Activity 1: Getting Started

Activity 2: Building a Basic Electrical Circuit

Skill 2A: Basic Electrical Circuit

Activity 3: The 5/2 Solenoid-Spring Valve

Activity 4: The 5/2 Solenoid-Solenoid Valve

Skill 4A: Controlling Piston Position with 2 PB's

Activity 5: Magnetic Switches

Activity 6: Implementing the Logic Function AND

Skill 6A: Magnetic Sensors

Activity 7: Implementing the Logic Function OR

Skill 7A: The OR Circuit

Activity 8: Implementing the Logic Function NOT

Skill 8: The Inductive Proximity Sensor

Activity 9: Sequential Operation

Activity 10: The Relay

Activity 11: Unlatching a Relay

Skill 11A: The Relay

Activity 12: Building a Fully Automatic Circuit

Skill 12A: Fully Automatic Circuit



Activity 13: Adding a Delay Using an Electric Timer

Activity 14: Unlatching a Fully Automatic Circuit

Activity 15: Measuring Cylinder Speed

Skill 15: Valves and Cylinder Speed