

Microprocessor Actuator service training Class B

Training will be for the AUMA AC01.2 version controls with analog & discrete inputs.

Prerequisite for attendees: basic trouble shooting skills, knowledge of basic electrical circuits, basic computer skills including Windows file management. Valve knowledge is helpful but not mandatory.

Attendees **must** bring a laptop or tablet with windows operating system and a working Bluetooth radio either internal or via Bluetooth USB dongle. Bluetooth version 2.1 or later.

Upon completion of this class the student should be able to:

- Identify the AUMA product range of AC01.2 Microprocessor controlled actuators
- Disassemble and reassemble the AUMA rotary and part turn actuators
- Trouble shoot encoder issues within the actuator
- Identify and replace output drive components
- Read the microprocessor supplied actuator wiring diagram
- Trouble shoot the AUMATIC (AC01.2) conventional motor controls
- Replace board stacks within the AC01.2 controls
- Read the wiring diagram for the AC01.2 controls on the actuator
- Set the mechanical stops in the part turn AUMA actuators and gear boxes
- Commission all of the above actuators and controls

Software:

The AUMA CDT program will be used for the programming and troubleshooting of the AC01.2 controls.

Upon completion of this class the student should be able to:

- Use CDT for the programming of the AC01.2
- Open and save parameter files
- Update Firmware using CDT and SD cards
- Use the Process data monitor for view the reaction of the actuator
- View and edit asset management features within CDT
- Compare parameter setting between different actuators
- Create and read snap shot files

A certificate of completion and AUMA tool kit will be provided to each student who successfully completes the Microprocessor Actuator Service Training Class B.