



## DESCRIPTION

**Class "E"  
9-70110-4**

### **LIMITORQUE™ L120 SERIES ACTUATOR TECHNICAL MAINTENANCE AND REPAIR TRAINING COURSE**

Maximum Class Size:	6 Students per Instructor
Course Duration:	5 Days
Prerequisite:	None
Supplied Materials:	Training Manual for Each Student
Training Aids:	Limitorque™ L120 Series Actuators and Assorted Parts
Suggested Attendees:	Plant Electricians, Mechanics, Electrical and Mechanical Foreman, Engineering and Operations Personnel
Course Description:	<p>This one-week course will provide students with instruction in both mechanical and electrical operation of Limitorque™ L120 Series and HBC Actuators. Through classroom instruction and hands-on lab experience, this course will provide the student with practical knowledge necessary for the operation, refurbishment, troubleshooting, and preventative maintenance of Limitorque™ Actuators.</p> <p>The student will receive theory of operation of L120-10 through L120-800 and HBC-0 through HBC-7 along with hands-on disassembly / reassembly of various L120 and HBC actuators and a comprehensive written examination covering the entire course.</p> <p>This course may be restructured to emphasize SM, SMA or SMB actuators to fit the client's requirements.</p>
Terminal Course Objectives:	<p>Upon successful course completion, the student will be able to:</p> <ul style="list-style-type: none"><li>- Visually identify each type of Limitorque™ Actuator, describing their design and application differences.</li></ul>

- Perform all required preventative maintenance on a Limitorque™ Actuator
- Perform disassembly, inspection, repair, adjustments, lubrication, and reassembly of Limitorque™ Actuator models L120-10 through L120-40, L120-85, L120-190 through L120-800.
- Describe Limitorque™ Maintenance Updates and how they effect the installation, operation and maintenance of Limitorque™ Actuators.
- Perform troubleshooting of both mechanical and electrical problems on malfunctioning Limitorque™ Actuators.

Course Benefits:

- Increased knowledge of Limitorque™ Actuator operation and terminology which in turn will improve workmanship, efficiency, and enhance troubleshooting efforts.
- Improved Limitorque™ Actuator maintenance which results in fewer maintenance related actuator failures, improved actuator reliability, increased actuator life.
- Decrease the number of Limitorque™ Actuator disassembly / reassembly errors.
- Elimination of common Limitorque™ Actuator maintenance misconceptions (ie., filling the motor with grease, or filling the actuator gearbox with grease intended for the limit switch gearbox).