



## 2012 Training Schedule

<u>Course</u>	<u>Dates</u>	<u>Location</u>
Basic PLC	March 6, 7, 8	Indianapolis, IN
Advanced PLC	May 1, 2, 3	Indianapolis, IN
Basic PLC	June 26, 27, 28	Indianapolis, IN
Advanced PLC	October 16, 17, 18	Indianapolis, IN

### **Introductory PLC Training**

#### **Basic Omron PLC (3 Days)**

- Overview of programmable controller system components
- Learn I/O wiring concepts
- Learn the terminology and configurations of a PLC system
- Learn I/O addressing, and memory organization of a PLC system
- Use basic ladder logic programming techniques
- Use timers, counters, and basic function logic to solve a simple application
- Use CX-Programmer to create and troubleshoot program logic
- Understand the use of advanced PLC instructions
- Understand how advanced PLC instructions utilize PLC memory
- Use CX-Programmer as a programming and diagnostic tool

**Course Fee: \$800.00 per person**

### **Advanced PLC Training**

#### **Advanced Omron PLC (3 Days)**

- PLC Addressing Review
- PLC Memory Area Review
- Basic Instructions Review
- Configure Special I/O Module
- Learn to Master Advanced PLC Programming Concepts
- Learn to Implement Advanced Instructions like Data Movement, Comparison, Collect, Data Transfer, BCD/Binary Math, Floating Point Math, Shift Instructions, etc.
- Reinforce concepts through hands-on workshops
- Use CX-Programmer to create and troubleshoot ladder logic and instruction mapping

*The student should have experience programming Omron PLC's and should be familiar with the CX-Programmer programming software. Prior completion of the Basic PLC Training course is very helpful, but not required.*

**Course Fee: \$1000.00 per person**

### Course Fees

Course Fees are due at time of registration. Fees include training materials, equipment, lunch and promotional items. For those students bringing their own laptops, they must have at least IBM AT compatible machine, Pentium II 333 MHz or faster processor, 2.5 GB free space, 256 Megs of RAM, Windows 2000 (SP3 or higher), or XP, a working serial port, mouse, CD-ROM. There is a **\$300 charge** for laptop rental fees.

*Class size is limited to 12 students. Registrations are accepted on a first come, first serve basis.*

### Questions?

Please contact your MQ Automation Sales Engineer or contact our local office at:

MQ Automation – Louisville, KY (502) 226-6565

MQ Automation – Indianapolis, IN (317) 895-6200

MQ Automation – Cincinnati, OH (513) 351-9500