# Troubleshooting the Allen Bradley PLC with RSLogix ™

**Denver, CO. Schedule:** August 19-21, 2008
Or inquire about our St. Louis, MO or Atlanta, GA. Seminar Schedules and our On-Site Training
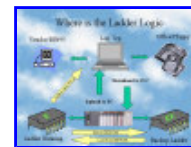
## What you will learn ...

- **Basic use RSLogix ™ Software**
  - Starting RSLinx ™ and RSLogix ™
  - PC to PLC Communications
  - Working efficiently with tool bars
  - On Line and Off Line Operation
  - Quickly compare PLC program copies
  - Communicating with the PLC
  - Burning the EPROM
  - Find your way around in large PLC programs
  - Using RsLogix ™ as your second troubleshooting partner
  - Forces Enabled/Disabled safely
  - Data files and subroutines
  - How to find your own answers using software
- **PLC Ladder Logic**
  - A basic rung of logic
  - Instruction types
  - MCR, JSR and basic structure of a PLC program
  - Adjusting Timers and Counters
  - What is integers, binary, floating point data memory areas.
  - Symbols (tags) and rung descriptions
- **Standard Operating Practices (SOP)**
  - Backing up your PLC programs
  - Protecting your PLC programs
  - Reliable operating procedures
  - EPROM for zero downtime
  - Documenting change
  - Safety while troubleshooting
  - File Management
  - Downloading and Uploading
- **Troubleshoot Actual Problems**
  - Basic troubleshooting theory
  - The most common problems
  - Relating your PLC program to the real world
  - Tracing and monitoring input and outputs
  - How to recover quickly from lightning and other power problems
  - Actual troubleshooting exercises
  - Using RsLogix's ™ Advanced Diagnostics
- **Setup PLC Hardware and New Program**
  - Configure PLC Drivers
  - Setup PLC IO
  - Set up PLC Communication



Business Industrial Network will be hosting this best in class PLC Logic Controller Training at the world class Denver Tech Center area of Colorado (*DTC Denver, CO.*) Gain job security and improve your company with our Safety and Reliability focused PLC control logic training in beautiful DTC Denver, CO.(1.6 CEUs)

**Companies:** Bring your electricians up to PLC Tech level or use our PLC Logic Controller training to cross-train engineers, general maintenance, mechanics and IT personnel, in just 3 days. Even maintenance managers attend our seminars to to capitalize on our valuable insight to managing PLCs in their organization and to get more familiar with PLCs.

**Individuals:** Even 20 year veterans to the electrical and maintenance field, as well as those who have had previous PLC Training, comment they walked away from our training with valuable time and money saving tips, that they did not pick up on their own or from other PLC training providers. Maintenance Managers look for PLC Logic Controller experience like we deliver. Before the IT person seeks knowledge about PLC Control Logix, they need a good foundation in RSLogix that we provide.



This three day workshop is based on the same onsite customized PLC 5 ® and SLC 500 ® PLC training course used to reduce downtime in FDA regulated manufactures, Government Facilities and Fortune 500 companies through out the United States. This PLC Logic Controller course is not just text book PLC instructions, but practical knowledge and case examples based on years of experience.

This PLC course will offer information your people will actually use out on the shop floor. A crash course in how to reduce downtime while working with Allen-Bradley's RsLogix ™ PLC 5 ® and SLC 500 ® software. The 3rd day of this seminar is our "**Challenge Workshop**".

- Create a New PLC Program
- How to Structure a PLC Program
- Document PLC Program
- PLC Programming Tips
- Writing Diagnostic and Troubleshooting rungs

## What you will receive ...

- World Class Training
- Hands On Experience
- Classroom Handouts
- A copy of the Power Point
- Certificate of Achievement
- Follow up support by email
- A PLC Simulation CD
- Our Cables & Driver DVD
- Challenge workshop attendees receive more advanced programming examples
- The confidence to continue to learn and more.

We are a **Strategic Training Partner** for the Association for Facilities Engineering (AFE) and provide AFE members a 10% discount.

Side Notes: *This is a hands on, relaxed adult continuing education atmosphere with instructors roaming the class, giving each individual help with SLC 500 ®, PLC 5 ® and Micrologix equipment used in class.*

**Hotels** within walking distance. T*he Light Rail (commuter train) is also in walking distance for those interested in going to Coor's Field for a baseball game, going down town Denver, etc*

**Note:** Seminar Ends 4:30 Thursday, please book travel accordingly. (Friday Travel recommended)

**Register TODAY because seating is limited and they fill quickly!**

## To offer you the greatest return on your PLC training investment this seminar is focused on ...

- **Troubleshooting**
- **Reducing Downtime**
- **Safe and Reliable Procedures**
- **No Sales, Unbiased PLC Training**
- **Class Size of 10, Greater Knowledge Transfer.**
- **Continuing Self Education**

The instructor for this seminar will be Jim Joros, local Denver resident who delivers our on-site PLC training through out the USA. Donald B. Fitchett will be acting as assistant instructor for this Denver Colorado PLC training workshop. Don will also bring to this seminar his expertise on the true cost of downtime to stress the importance of quick reliable troubleshooting. *Instructors will roam the class helping all attendees with the course outline and hands on application.*

## Customer Comment ...

"Our skill levels ranged from expert to beginner and no one was left behind. Tell Don I said hello when you speak with him. This guy is good."

Ross Thomas, Jr
BNFL
K33 Decon/Final Survey Building Ops Manager

"This training is not like the vendor training we have received before where they try to sell you their hardware. We where getting hands-on training after the first hour and advice that only an experienced end-user would offer. A great supplement to our tech school training. Thanks"

Jim
Maintenance Manager

## Seminar Location ...

### DTC Denver, CO Building

9800 Mount Pyramid Court, Suite 400

Englewood, CO. 80112

**Click picture online for location details >>**

This PLC Logic Controller seminar/workshop will be held in the state of the art training facility located on the 4th floor of the **Denver - Meridian Center Building**. (HQ)

**See page 3 for more PLC Seminar details and registration.**

**Denver, CO Schedule:** Register Now for **Aug 19-21, 2008**

**Seminar Fee ...**

$390 per day, per attendee. 10% discount to AFE members!

**Registration Methods ...**
1) **Online** (This page)
2) **Fax** (573) 547-6153
3) **Phone** (573) 547-5630
4) **Mail** this form to ...
      Business Industrial Network
  2 Cityplace Drive, Suite 200,
  Saint Louis, MO 63141
5) **Email** all form information to
      Training@bin95.com

Right click and select "Save Target As" to download printable copy of this registration form.

**Seminar Location ...**

**DTC Denver, CO Building**

**9800 Mount Pyramid Court, Suite 400 Englewood, CO 80112**

*Located the 4th floor of the Denver - Meridian Center Building. .*

**Tech Center Hotels ...**

Candlewood Suites
10535 El Diente Ct
Englewood, CO 80112
Click for hotel website/
Hotel Phone (303) 858-9900

Hilton Garden Inn
9290 Meridian Boulevard
Englewood, CO 80112
Click for hotel website/
Hotel Phone (303) 824-1550

**Note:** Seminar Ends 4:30 Thursday, book travel accordingly. (Fri rec.)

**Schedule ...**
**DTC Denver, CO Schedule:**
**Aug 19-21, 2008**
8:00am - Class Starts
12:00 - 1:00pm Lunch
4:30 - Class Ends

**Authorizing Manager:**

Name [ ]

Title: [ ]  Email: [ ]

Company Name: [ ]

Address: [ ]

City: [ ]  Zip: [ ]  State/Prov: [ ]

Phone: [ ]  Fax: [ ]

**3 Day Course Dates:**  ⦿ August 19-21, 2008

**Seminar Attendees:**

Name: [ ]  Title: [ ]
Name: [ ]  Title: [ ]
Name: [ ]  Title: [ ]
Name: [ ]  Title: [ ]

**Payment Method:** Amount to be charged per attendee, $1170 per 3 day course. Please enter your credit card information below before submitting this secure form. You will also need to submit this form with contact information above filled out when paying with Check. When paying by PO, please fax copy to 573-547-6153

☐ Visa  ☐ MasterCard  ☐ AMX  ☐ Check Enclosed (pay to Business Industrial Network)  ☐ PO copy Sent

Card Number: [ ]

Expiration Date: [ ]  Card Code**?**: [ ]

Name on Card: [ ]

Signature: [ ]

*The total will be US$1170, times the number of attendees you are registering. (US$1053, per AFE attendee)*

**Additional Information:** *If AFE member, please indicate so in name field. Registration fees may be applied to other training classes with no additional charges, if you can not make the original seminar. Denver Tech Centre directions and tech center hotels with in walking distance are available by links in on-line version of this training registration page. Hotels closest to this DTC Denver CO (Meridian area) is the Candlewood Suites. They are located within a 5 minute walk or 2 minute taxi! The second recommended hotel is the Hilton Garden Inn (Denver south/meridian) They are located within a 7-10 minute walk or a 3-4 min taxi! Taxi from Denver International Airport runs approximately $55.00. The Light Rail (commuter train) is also in walking distance for those interested in going to Coor's Field for a baseball game, going down town Denver, etc. Seminar fee does not cover evening meals, travel or hotel. Lunch is on us! Quick start breakfast at hotel and seminar.*

We are a Strategic Training Partner for the Association for Facilities Engineering (AFE) and provide AFE members a 10% discount. **(1.6 CEU)**
**Please see http://www.bin95.com/plc_logic_controller.htm for more details, examples and online registration.**

**- Thank You -**