

Introduction to the ControlLogix Programmable Automation Controller with Labs


By Gary A. Dunning


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Editorial Review

Review

1. Introduction to ControlLogix Hardware. 2. Introduction to RSLogix 5000 Software. 3. Number Systems. 4. RSLogix 5000 Project Organization. 5. Understanding ControlLogix I/O Addressing. 6. Modular ControlLogix Digital and Analog I/O Configuration. 7. CompactLogix I/O Configuration. 8. Creating and Monitoring RSLogix 5000 Tags. 9. Introduction to Logic. 10. The basic Relay Instructions. 11. ControlLogix Timer Instructions. 12. Adding Ladder Documentation. 13. ControlLogix Counter Instructions. 14. Comparison Instructions. 15. Data Manipulation and Math Instructions. 16. Introduction to GSV and SSV Instructions. 17. Introduction to Function Block. 18. Configuring a Serial Driver Using RSLinx. 19. Configuring a Serial Driver using a Keyspan USA-19HS USB to Serial Adapter. 20. Configuring an RSLinx Serial Driver Using a Rockwell Automation 9300-USBS USB to Serial Adapter. 21. Installing and Configuring a USB Driver for 1756-L7 Series Controllers. 22. Determine and Modify a Personal Computer IP address. 23. Determine and Modify a Modular ControlLogix Ethernet IP Address. 24. Determine and Modify a 1769-CompactLogix Ethernet IP Address. 25. Configuring a 1756-ENET Ethernet using RSLinx. 26. Configuring Ethernet/IP Drivers using RSLinx. 27. Configuring CompactLogix 1769-L23E, 1769-L32E, or 1769-L35E Ethernet /IP Driver using RSLinx Software. 28. Configuring an USB Driver for an Ethernet Communications Module.

About the Author

Gary Dunning received his Bachelor's Degree at the University of Minnesota. He also studied Computer Electronics at St. Paul Technical College, St. Paul, Minnesota. During his career he has developed and taught classes on programmable logic controllers at two technical colleges in Minnesota. Mr. Dunning worked for Rockwell Automation providing technical support and taught open as well as private classes for 20 years. Gary is the author of Introduction to Programmable Logic Controllers, editions 1 through 4 and the Lab Manual to accompany each edition of Introduction to Programmable Logic Controllers. His latest book is the Introduction to the ControlLogix Programmable Automation Controller using RSLogix 5000 with Labs.

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