

Table of Contents

Introduction	1
The Purpose of this Supplementary Manual	1
Who Can and Should Use DirectSOFT32?	1
PLC Compatibility	2
Supported Devices	2
Preparing for Installation	3
Getting to Know Windows	3
Check Your PC Hardware Requirements	3
Power Supply	3
DirectSOFT32 package contents	3
Installation of DirectSOFT32 Software	4
Step 1: Load the CD	4
Step 2: Review your options	4
Step 3: Enter the Security Code	4
Step 4: Unpacking the software	4
Step 5: End Other Windows Tasks	5
Step 6: DirectSOFT32 License Agreement	5
Step 7: Enter Your Name and Company	5
Step 8: Select Installation Directory	6
Step 9: Select Installation Type	6
Step 10: Custom Installation	6
Step 11: Program Installation	7
Step 12: CTRIO Workbench Installation	8
Step 13: ERM Workbench Installation	9
Step 14: Program Verification	9
Getting Started	10
Begin Editing a Program	11
Step 1: Enter the Program Mode	11
Step 2: Start a New Project	11
Step 3: Switch to theEdit Mode	12
Step 4: Using the Ladder Palette to Enter the First Element	13
Step 5: Enter the Input Element	13
Step 6: Enter Output Elements	14
Step 7: Element Entry Window	15
Step 8: Enter the END Coil	15
Step 9: Accepting and Saving the Program	16
Establish the Communication Link	17
Setup the Communication Link	17
Use the Link Wizard	17
Step 1: Select the Port	17
Step 2: Select the Port	18
Step 3: Choose the Protocol and Node Address	18
Step 4: Cannot Make a Link	19
Step 5: Name the Link	19
Link Status	20
Download the Program	21
Download the Program to the PLC	21

Monitoring the Program	25
Monitor the Ladder View	25
Details of the Data View Window	26
Data View Options Window	26
The Change Value Window	27
Enter the New Value	27
Documentation	28
Documentation Options	28
Options Dialog Window	28
The Documentaion Editor	29
The Comment Editor	30
Comments are Free-Form	30
Selecting Rungs for Comments	30
Troubleshooting Guide	31
DS400.ini File	31
Example PC Configuration: Using an Ethernet card	32
Example PC Configuration: Using a Modem	32
Startup Issues	33
USB-to-Serial Converters	33
Microsoft ActiveSync	33
Adding AutoSense=0	33
Adding Dump=1	34
