

USER MANUAL TABLE OF CONTENTS

Chapter 1: Getting Started	
Introduction	
Supplemental Manuals	
Technical Support	
Conventions Used	
Product Overview	
Quick Start Steps	
C-more LED Status Indicators	
Chapter 2: Specifications	
Specifications	
Communication Ports and Memory Expansion	
Communication Ports	
User Defined LED	
Compatible Touch Screen Monitors	
Handling External Memory Devices	
Writing to External Memory devices	
Minimizing Data Errors	
Monitoring Available Memory	
Power Loss Retention	
Watchdog Timeout	
Chapter 3: Accessories	3-1
Accessories Overview	3-2
D-SUB 15-nin to Terminal Block Adapter	3-3
SD Card	2-Λ 2-J
USB FLASH Drive	
Chapter 4: Installation and Wiring	4.1
Chapter 4: Installation and writing	
Safety Guidelines	
Introduction	
Mounting	
Wiring Guidelines	
Agency Approvals	
Providing Power to the HMI	
C-more LED Status Indicators	

Chapter 5: System Setup Screens	
Introduction	5-4
Information	5–4
Settings	5–4
Test Menu	5–4
Memory	5–4
Accessing the System Setup Screens (no project loaded)	5–5
Accessing the System Setup Screens (with project loaded)	5-6
Using RHMI USB Remote	5–7
System Setup Screens	5–9
Password Protecting System Screen Access	5–9
System Setup Screens — Enable Password in Software	
System Setup Screens Flowchart	
Main Menu	
Information Screen	
Information — Ethernet Tab	
Settings Screen	
Settings — Options	5–30
Test Menu	
Test Menu — Test Touch Panel	
Test Menu — Test Beep/Audio	5–33
Test Menu — Test Serial Port	5–34
Test Menu — PLC Serial Comm Port - Loop back test	5–35
Memory Screen	
Memory — Backup	5–44
Memory — Restore	5–49
Memory — Clear Memory	5–53
Memory — Reset to Factory Default	5–57
	C 1
Chapter 6: PLC Communications	L-0
DirectLOGIC PLCs Password Protection	
PLC Protocols	
PLC Communication Cables & Wiring Diagrams	
AutomationDirect PLCs RS-232C Serial Cables Wiring Diagrams	
AutomationDirect PLCs PLCs RS-422A/RS-485A Cables Wiring Diagrams	
Allen-Bradley PLCs RS-232C/RS-485A Serial Cables Wiring Diagrams	
GE PLCs RS-422/RS-232C Serial Cables Wiring Diagrams	
Mitsubishi PLCs RS-422/RS-232C Serial Cables Wiring Diagrams	
Omron PLCs RS-232C Serial Cables Wiring Diagrams	
Modicon PLCs RS-232C Serial Cables Wiring Diagrams	
Siemens PLCs RS-485A Serial Cables Wiring Diagrams	6–27

Chapter 7: Maintenance	7-1
Maintenance	7–2
Project Backup	7–2
Check Operating Environment	7–2
Check Operating Voltage	7–2
Check Status Indicators	7–2
Check Physical Conditions	7–2
Run Tests under System Setup Screens	7–3
Check Memory Usage	7–4
Check Error Log	7–4
Check Project Functionality	7–5
Checks from <i>C-more</i> Programming Software	7–5
Chapter 8: Troubleshooting	8-1
Common Problems	8-2
Troubleshooting Flow Chart	8-3
HMI Does Not Power Up	8-4
C-more LED Status Indicators	8-5
General Errors and Warnings	8-6
No User Program	
Select Touch Panel Driver	
Safe Mode Recovery	8-15
No Communications Between Panel and PC (Personal Computer) via Ethernet	8-18
No Communications between Panel and PC (Personal Computer)	8-20
Safe Mode (ERR-202-5)	
No Communications Between Panel and PC (Personal Computer) via USB	8-24
USB Driver Troubleshooting	8-25
No Communications between Panel and PLC	8-28
IP Address in System Setup Screens Displays 0.0.0.0	
Difficulty Connecting to the Panel over the Internet (Webserver (Secure HTTPs)and Remote Access Features)	8-33
PLC Protocol Error Codes	8-34
HMI Runtime Errors	8-34
Data Not Logging Problems	8-35
Electrical Noise Problems	
Touch Screen Not Working	8-36
Chapter 9: Replacement Parts	9-1
Replacement Parts Overview	
3-wire Communications Terminal Block – EA9-3TB	
DC Power Connector Replacement – C0-4TB	

Appendix A: Panel and PLC Error Code tables	A-1
Introduction	A-2
C-more Touch Panel Error Code Table	A–3
DirectLOGIC – Panel Error Code PLC-499 Explanation	A–5
DirectLOGIC K-Sequence Protocol - PLC Error Code Table	A–5
DirectLOGIC DirectNET Protocol – PLC Error Codes	A–5
Modbus Protocols Error Code P499 Explanation	A–6
DirectLOGIC ECOM Protocol – PLC Error Codes	A-7
AutomationDirect Do-More Error Codes	A-8
Allen-Bradley – Panel Error Code PLC-499 Explanation	A-9
Allen-Bradley DF1 Protocol – PLC Error Code Tables	A-10
Allen-Bradley EtherNet/IP Protocol – Panel Error Code PLC-496, 497 and 498 Explanation	A-12
Allen-Bradley – EtherNet/IP Protocol – PLC Error Code Tables ControlLogix, CompactLogix, & FlexLogix	A-13
Allen-Bradley – Micro800 Serial and EtherNet/IP Tag Based PLC Error Code Tables	A-17
Allen-Bradley – EtherNet/IP Protocol – PLC Error Code Tables	A-21
Generic EtherNet IP Protocol – PLC Error Codes	A-25
GE 90-30 – Panel Error Code PLC-499 Explanation	A-26
GE 90-30 SNPX Protocol – PLC Error Code Tables	A-27
Mitsubishi FX Protocol – PLC Error Codes	A-35
Omron – Panel Error Code PLC-499 Explanation	A-35
Omron Host Link Protocol – PLC Error Code Table	A-36
Omron FINS Protocol – PLC Error Code Table	A-37
Omron – Panel Error Code PLC-495 Explanation	A-39
Omron CS/CJ FINS Ethernet Protocol – PLC Error Code Table	A-40
Siemens – Panel Error Code P499 Explanation	A-41
Siemens PPI Protocol – PLC Error Code Table	A-42
Siemens ISO over TCP Protocol – PLC Error Code Table	A-43
Appendix B: Touch Panel Runtime Errors	B-1
Introduction	B–2
Runtime Errors	B-3
Appendix C: System Screen Error Codek	C-1
C-more Touch Panel System Screen Error Code Table	C-2
Appendix D: Security Considerations for Control Systems Networks	D–1
Security Considerations for Control Systems Networks	D–2