

Table of Contents

Chapter 1: Getting Started

Introduction	1-2
The Purpose of this Manual	1-2
Supplemental Manuals	1-2
Technical Support	1-2
Chapters	1-3
Conventions Used	1-3
Key Topics for Each Chapter	1-3
OP-413 Overview	1-4
Plan your System	1-4
General Panel Information	1-4
Numeric Display	1-4
SELECT Button and Up/Down Arrows	1-5
Back-Panel Layout	1-5
Serial Communications Port	1-5
Power Receptacle	1-5
Frequently Asked Questions	1-6

Chapter 2: Installation and Specifications

Labeling the Field Points	2-2
Labeling the Field Points	2-2
Creating the Labels	2-2
Creating Labels Using OP-WINEDIT	2-2
Template for Manually Creating Labels	2-4
Dimensions for Mounting	2-5
Panel Specifications	2-6
Physical Specifications	2-6
Environmental Specifications	2-6
Operating Specifications	2-6
Power Supply Connections	2-7
Power Supply Connections	2-8
Connecting the Configuration Cable	2-8
Configuration Cable	2-8
Selecting a Communications Cable	2-9
Communications Cable Details	2-10
OP400 Series Communications Cables	2-10

Chapter 3: Understanding the Features

Learning the Features	3-2
Display and Setpoint Operations	3-3
Display and Setpoint Data	3-3
Reading or Writing a Setpoint	3-4
Reading a Display Point	3-4
Forcing a Setpoint	3-4
Numeric Data Types	3-4
BCD Data	3-4
Binary Data	3-5
Decimal Point	3-5
PLC Registers	3-6
PLC Register Overview	3-6
PLC Register Map	3-6
Force Control Registers	3-6
Register Definition	3-7
PLC Register Assignment Examples	3-8
DirectLOGIC User Memory Overview	3-9

Chapter 4: Configuring Your Operator Panel

Preparing for Configuration	4-2
OP-WINEDIT Software	4-2
More about OP-WINEDIT	4-2
HELP Screens	4-2
Computer System Requirements	4-3
How to Configure Your Panel	4-3
Step 1: Load OP-WINEDIT	4-3
Step 2: Connect Panel to PC	4-3
Step 3: Open OP-WINEDIT	4-4
Step 4: Start Configuring Your Panel	4-4
Step 5: Select Configure PLC Link	4-4
Step 6: Select the Base Register Address	4-5
Step 7: Configure the Panel Features	4-6
Step 8: Save and Download	4-6

Chapter 5: Programming Examples

Examples Using PLCDirect PLCs	5-2
Register Usage	5-2
Examples Using DL05, DL105, DL205, D3-350 and DL405	5-3
Displaying Numeric Data	5-3
Reading a Setpoint	5-4
Forcing Setpoints	5-5
Example Using D3-340	5-6
Register Usage	5-6
Examples Using Allen-Bradley SLC 5/03, 5/04 and Micrologix	5-7
Interfacing to A-B Memory	5-7
Displaying Numeric Data	5-7
Reading a Setpoint	5-8
Forcing Setpoints	5-9
Troubleshooting the OP-413 Panels	5-10
Troubleshooting	5-10
Power Supply Problems	5-10
Configuration Problems	5-10
Communication Problems	5-10
Getting Help	5-10

Index