Objectives

Read this preface to familiarize yourself with the rest of this manual.

- Intended audience
- Conventions used
- Terminology
- Installing PanelView terminals
- European Union Directive Compliance
- Related publications
- Technical support

Intended Audience

No special knowledge is required to understand this manual or operate the PanelView terminals. Before running an application, you must know the functions of all screens and screen objects. This information is available from the application designer.

Equipment installers must be familiar with standard panel installation techniques.

Conventions

The manual uses these conventions:

- For specific PanelView terminals, PanelView is replaced with the PV abbreviation. For example: PV1000 refers to the PanelView 1000 terminal.
- PanelView terminal refers to any one of the PanelView terminals.

Terminology

This manual contains some terms that may be unfamiliar.

Use the Glossary on of this manual for assistance.

Installing PanelView Terminals

Each terminal is shipped with installation instructions and a panel cutout. Please follow these instructions when installing your PanelView terminal in a panel or enclosure.

European Union Directive Compliance

Refer to for details on installing the PanelView terminals in industrial environments requiring compliance with European Union Directives.

Additional Resources

Refer to the extensive online help for the PanelBuilder32 Software or the following publications if necessary.

Resource	Description
PanelBuilder32 Software Getting Results Manual, publication 2711-GR003	Information about using PanelBuilder32 software
PanelBuilder32 Quick Start Manual, publication 2711-QS003	Information about starting PanelBuilder32 software
WinPFT File Transfer Utility, publication 2711-TD006	Information about the WinPFT file transfer utility
PROFIBUS DP Communication for PanelView Terminals, publication 2711-6.3	Information about PROFIBUS DP communication for PanelView terminals
Modbus Communication for PanelView Terminals, publication 2711-6.9	Information about Modbus communication for PanelView terminals
Programmable Controller Wiring and Grounding Guidelines, publication 1770-4.1	Information on wiring and grounding
Data Highway/Data Highway Plus/Data Highway-485 Cable Installation Manual, publication 1770-6.2.2	Information about installing Data Highway/Data Highway Plus/Data Highway-485 cable

For information relating to your controller, refer to the appropriate manual.

Technical Support

If you have questions about the PanelView terminals or the PanelBuilder32 software, please refer to the online manuals or online help provided with the PanelBuilder32 installation CD. These publications are also available from the literature library at:

http://literature.rockwellautomation.com

Frequently Asked Questions

Documents on frequently asked questions are available at:

http://www.rockwellautomation.com/knowledgebase

Software and Firmware Upgrades

To receive software updates (software serial number required) and firmware upgrades for your PanelView terminal:

- locate on PanelBuilder32 installation CD.
- call Rockwell Software at 1-440-646-7700 or fax 1-440-646-7701.
- access www.software.rockwell.com.

Terminal Overview

Chapter Objectives

This chapter gives an overview of the PanelView Operator Terminals.

- Intended uses
- Terminal types and features
- Applications
- Configuration mode
- Terminal messages
- Printing
- Accessories and replacement parts

Intended Uses

You can use the PanelView operator terminals for a wide variety of machine control and monitoring applications.

ATTENTION	Do not use a PanelView terminal for emergency stops or other controls critical to the safety of personnel or equipment. Use separate hardwired operator interface devices that do not depend on solid state electronics. See the inside front cover of this manual for guidelines.

Terminal Types

PanelView terminals are available in a variety of options.

- Display size and type (monochrome, grayscale, color)
- Operator input (touch screen or keypad)
- Communication port (DH-485, RS-232, remote I/O, DH+, ControlNet, DeviceNet, Ethernet, EtherNet/IP, DF1)
- RS-232 printer port support

In addition, some terminals are available with:

- AC or DC power (L1 at the end of a catalog number indicates a DC terminal, for example, 2711-B5A1<u>L1</u>, or -T9C1<u>L1</u>).
- stainless steel bezel available on PanelView 550 keypad or keypad & touch terminals.

Contact your Allen-Bradley representative for availability.

Color and Grayscale Terminals

Color terminals support a fixed palette of 32 standard EGA colors. Grayscale terminals support a fixed palette of four colors (shades of gray). All color in an application is defined when the application is created. Colors are not selectable at the terminal.

PanelView 300 Monochrome Terminals

The PanelView 300 terminal is only available with 24V DC input power.

Operator Input	Communication Port				Printer Port RS-232	Catalog Number
	DH-485	RS-232 (DH-485)	DeviceNet	RS-232 (DF1)		
Keypad	x					2711-K3A2L1
		x				2711-K3A5L1
			x		x	2711-K3A10L1
				x		2711-K3A17L1

PanelView 300 Micro Monochrome Terminals

The PanelView 300 Micro terminal is available only with 24V DC input power and does not have a printer port. The PV300 Micro terminal contains a single RS-232 communication port which supports either DF1 or DH485 communication protocols as specified in the table below.

Operator Input	Communication Port		Catalog Number
	DH-485	DF1	
Keypad	x		2711-M3A19L1
		x	2711-M3A18L1