

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ALLEN-BRADLEY PANELVIEW

2711P-RDT10C

TOUCH COLOR DISPLAY MODULE

Used with the applicable PanelView Plus configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Allen-Bradley official manufacturer documentation

PanelView Plus 700 to 1500 Terminals

This section gives an overview of the PanelView Plus 700, 1000, 1250, 1250H, and 1500 terminals.

- Modular components
- Base-configured unit
- Communication modules
- Logic module, standard or CE
- Power supply, AC or DC
- Display modules



The PanelView Plus 700 to 1500 terminals are HMI devices that offer these features:

- Graphic color-display modules with keypad, touch screen, or keypad and touch screen support
- Analog resistive touch screen
- Ethernet and serial communications
- Modular communication interface for easy add-on capability
- Memory expansion modules for field upgrades to 256 MB RAM and 512 MB CompactFlash
- Power input, AC (85...264V AC) or DC (18...32V DC)
- CompactFlash card slot supports Type 1 CompactFlash cards
- USB ports provide connections for keyboard, mouse, and printer
- Field replaceable bezels
- Same panel cutouts as the PanelView Standard and PanelView Enhanced terminals
- Standard or CE logic module

Catalog Number Configuration The table shows the catalog number explanation for configured versions of the PanelView Plus and PanelView Plus CE terminals. Not all combinations of options are available for sale.

	Input Type	Display Size	Display Type	Communication ⁽¹⁾	Power	Logic Module with Flash and RAM Memory ⁽²⁾	Special Option ⁽²⁾
2711P-	K = Keypad	4 = 3.5 in.	C = Color	PanelView Plus 400 and 600	A = AC	1 = Logic Module 64 MB	K = Conformal-Coated ⁽³⁾
	T = Touch	6 = 5.5 in.	M = Grayscale	5 = RS-232 & USB	D = DC	2 = Logic Module 128 MB	M = Marine Certified
	B = Keypad/Touch	7 = 6.5 in.		20 = Ethernet, RS-232 & USB plus Communication Module Interface		6 = CE Logic Module with 128 MB	
		10 = 10.4 in.				7 = CE Logic Module with 256 MB	
		12 = 12.1 in.		PanelView Plus 700 to 1500			
		15 = 15 in.		4 = Ethernet, RS-232 & (2) USB			

⁽¹⁾ Additional communication options are available and listed on page 23 in the following section.

⁽²⁾ Applies to PanelView Plus 700 to 1500 terminals only.

⁽³⁾ Applies to PanelView Plus 700 and 1250 terminals only.

PanelView Plus Product Components

Components are available as separate catalog numbers for field installation or replacement.

Display Modules (700 to 1500 only)

Cat. No.	Description
2711P-RDK7C	700 keypad color display
2711P-RDT7C	700 touch color display
2711P-RDT7CM	700 touch color display, marine certified
2711P-RDB7C	700 keypad and touch color display
2711P-RDB7CM	700 keypad and touch color display, marine certified
2711P-RDT7CK	Conformal-coated 700 touch color display
2711P-RDK10C	1000 keypad color display
2711P-RDT10C	1000 touch color display
2711P-RDT10CM	1000 touch display, marine certified
2711P-RDB10C	1000 keypad and touch color display
2711P-RDB10CM	1000 keypad and touch display, marine certified
2711P-RDK12C	1250 keypad color display
2711P-RDT12C	1250 touch color display
2711P-RDT12AG	1250 touch color display with antiglare overlay
2711P-RDT12CK	Conformal-coated 1250 touch color display
2711P-RDT12H	1250 high-bright touch color display
2711P-RDB12C	1250 keypad and touch color display
2711P-RDK15C	1500 keypad color display

Installation

Chapter Objectives

This chapter provides pre-installation information and procedures on how to install the terminals.

- Hazardous locations
- Environment and enclosure
- Outdoor installation for 1250 high-bright display module
- Required tools
- Clearances
- Panel cutout dimensions
- Mount the 400 or 600 terminal in a panel
- Mount the 700 to 1500 terminals in a panel
- Product dimensions

Hazardous Locations

When marked, this equipment is suitable for use in these locations:

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Division 2, Groups F, G
- Class III
- ordinary, nonhazardous locations

The following statement applies to use in hazardous locations.

WARNING 	Explosion Hazard • Do not disconnect equipment unless power has been removed and area is known to be nonhazardous. • Do not disconnect connections to this equipment unless power has been removed and the area is known to be nonhazardous. • Substitution of components may impair suitability for Class 1, Division 2. • Peripheral equipment must be suitable for the location it is used in. • The battery or realtime clock module in this product must only be changed in an area known to be nonhazardous. • All wiring must be in accordance with Class I, Division 2, Class II, Division 2, or Class III, Division 2 wiring methods of Articles 501, 502 or 503, as appropriate, of the National Electrical Code and/or in accordance with Section 18-1J2 of the Canadian Electrical Code, and in accordance with the authority having jurisdiction.
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Mount the 700 to 1500 Terminal in a Panel

Mounting clips secure the terminal to the panel. The number of clips you use (4, 6, or 8) varies by terminal type.

ATTENTION



Disconnect all electrical power from the panel before making the panel cutout.

Make sure the area around the panel cutout is clear.

Take precautions so metal cuttings do not enter any components already installed in the panel.

Failure to follow these warnings may result in personal injury or damage to panel components.

Follow these steps to mount a 700 to 1500 terminal in a panel.

1. Cut an opening in the panel by using the panel cutout shipped with the terminal.
2. Make sure the terminal sealing gasket is properly positioned on the terminal.

This gasket forms a compression-type seal. Do not use sealing compounds.



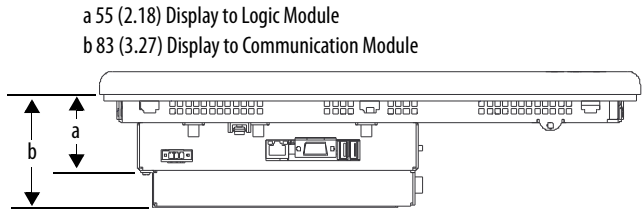
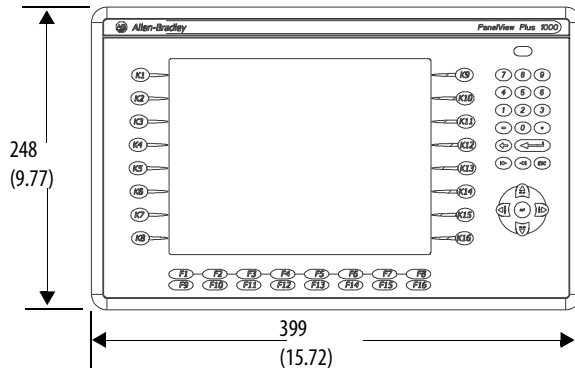
3. Install the legend strips before installing the terminal if you are using keypad legend strips on keypad terminals.

Be careful not to pinch the legend strip during installation.

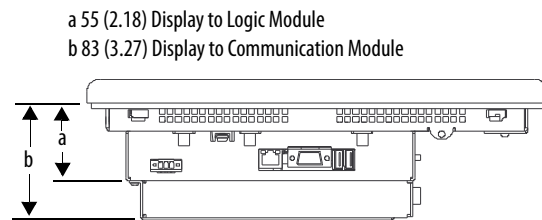
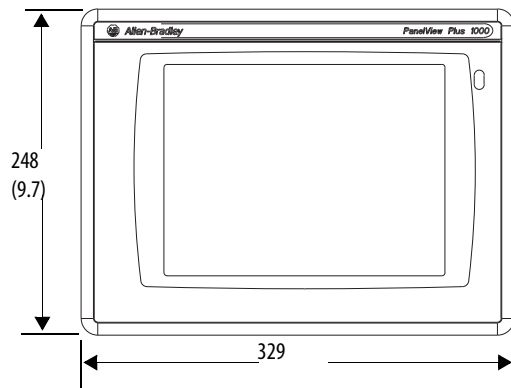
4. Place the terminal in the panel cutout.

PanelView Plus and PanelView Plus CE 1000 Dimensions

1000 Keypad or Keypad/Touch Terminal



1000 Touch Screen Terminal



The depth dimensions are shown for:

- base-configured unit (display module and logic module).
- base-configured unit with communication module.