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PanelView™ 800 HMI Family

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PUBLIC



Allen-Bradley • Rockwell Software

Rockwell
Automation

Agenda

PanelView 800 Introduction

Connected Components Workbench Software Release 8.00

Migration from PanelView Component to PanelView 800

Summary



Introducing PanelView 800 HMI Family



3 sizes to suit various application needs

High-resolution Display with 65K Colors



Support more complex screens and displays

PanelView 800 Feature Overview



PanelView 800 Performance

- Results in fast boot-up time and screen-switching time
 - Fast CPU processor speed
- Built-in memory
 - 128MB/256MB



7" and 10" Built-in Memory
256 MB

800 MHz CPU

4" Built-in Memory
128 MB

PanelView 800 Communications

Easy Connectivity to Micro800 and MicroLogix Controllers

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- Easy connectivity to Micro800® and MicroLogix™ controllers
 - Communications through Ethernet, Serial (RS232, RS422/RS485)
- Ease of use
 - USB, microSD, built-in RTC



PanelView 800 Certifications

- Certification aligned with global standards
 - Support hazardous locations, wider range of industrial applications



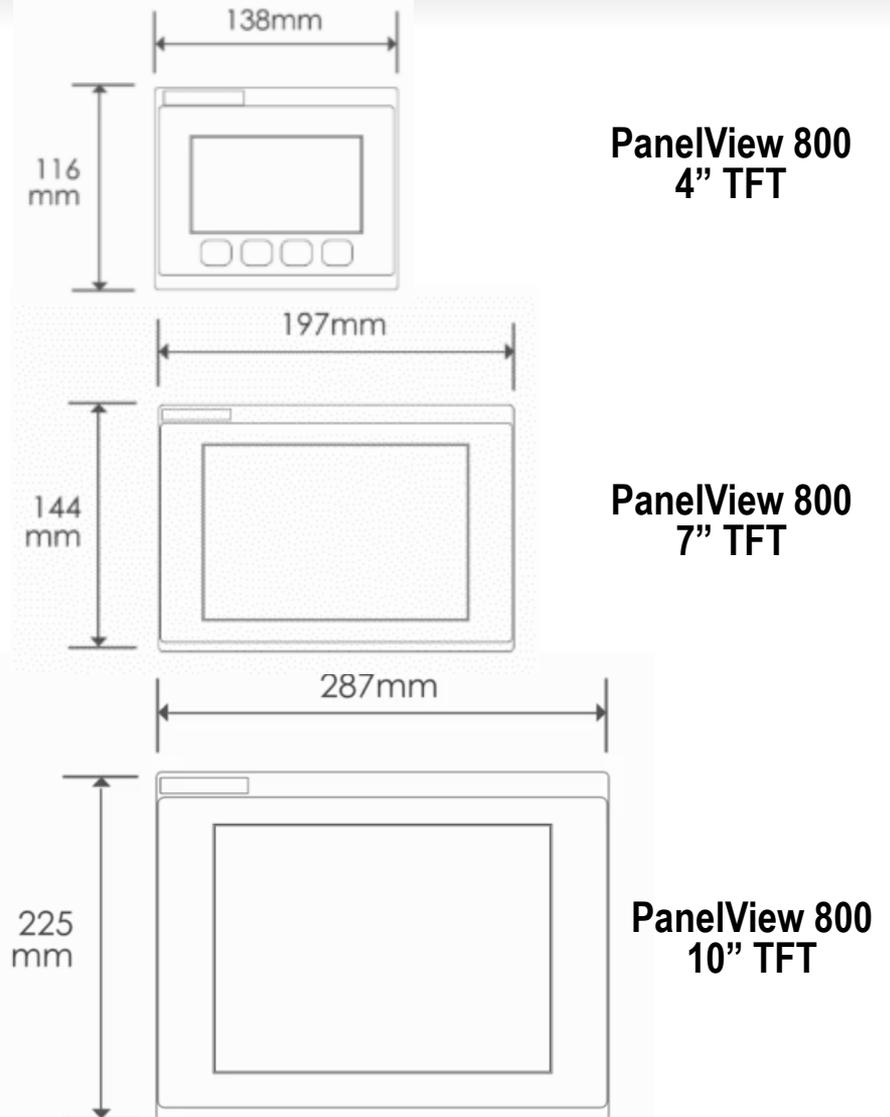
Quick Lever
Panel Mount

Class 1 Division 2
Certified

IP65, NEMA 4X
Rated

Compact Design

| PanelView 800 |
|-------------------------------------|
| Dimension (H X W X D) mm |
| 116 x 138 x 43 |
| 144 x 197 x 54 |
| 225 x 287 x 55 |
| |
| Cut Out Dimension (H X W) mm |
| 99 x 119 |
| 125 x 179 |
| 206 x 269 |



Portrait Application Option



Expands the choice of users with two orientation options to cater to different applications or installation needs



PanelView 800 Catalog

**Rockwell
Automation**

| Catalog Number | PanelView 800 Terminal Description |
|----------------|--|
| 2711R-T4T | 4" TFT with serial and Ethernet port Resistive touch panel with tactile function keys |
| 2711R-T7T | 7" TFT with serial and Ethernet port Resistive touch panel |
| 2711R-T10T | 10" TFT with serial and Ethernet port Resistive touch panel |



PanelView 800 Specifications

PanelView 800 Specifications

| Feature | 4-inch | 7-inch | 10-inch |
|---|---|---|---|
|  |  |  |  |
| Catalog Number | 2711R-T4T | 2711R-T7T | 2711R-T10T |
| Resolution | 480 x 272 WQVGA | 800 x 480 WVGA | 800 x 600 SVGA |
| Display Type | TFT touch screen, wide LCD | | |
| Display Hour | 40,000 hours | | |
| Colors | 65K colors | | |
| Backlight | LED | | |
| Operator Input | Resistive touch and tactile function keys | Resistive touch | |
| Power Supply | 24V DC | | |
| Processor, CPU Speed | 800 MHz | | |
| Internal Storage | 128 MB | 256 MB | |
| RAM | 128 MB DDR | 256 MB DDR | |
| Operation System | Microsoft Windows CE 6.0 | | |
| Real-time Clock With Battery | Yes | | |
| Power Requirements (max) | 9W | 11W | 14W |
| Operating Temperature | 0°...50°C | | |
| RS232/RS422/485 (isolated) | Separate RS232 and RS422/RS485 connectors | | |
| Ethernet 10/100 Mbps | 1 | | |
| USB Host (USB 2.0) | Yes | | |
| microSD™ Slot | Yes | | |
| Product Dimension (mm) (Height x Width x Depth) | 116 x 138 x 43 | 144 x 197 x 54 | 225 x 287 x 55 |
| Panel Cut-out (mm) (Height x Width) | 99 X 119 | 125 X 179 | 206 X 269 |
| Weight | 0.35 kg (0.76 lb) | 0.68 kg (1.48 lb) | 1.57 kg (3.41 lb) |
| Front Bezel Protection | IP65, NEMA 4X, 12, 13 | | |
| Certifications | cULus listed; Class 1 Div 2, Groups A,B,C,D, T4A, CE, RCM, KC, RoHS | | |
| Software | Connected Components Workbench Software Release 8.0 or later | | |

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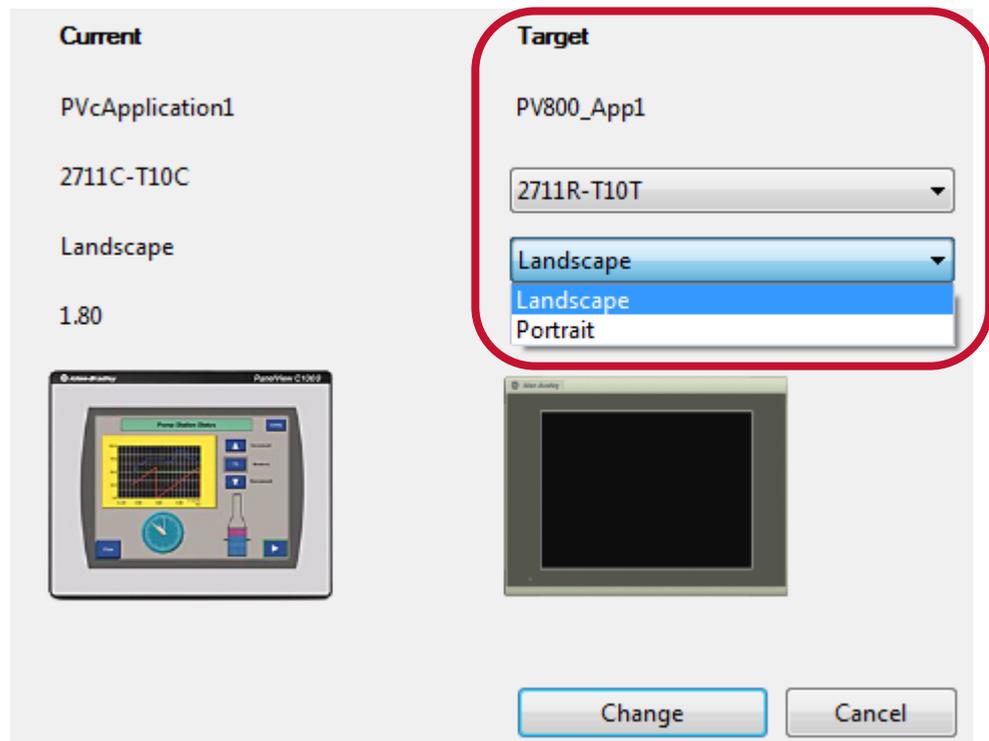
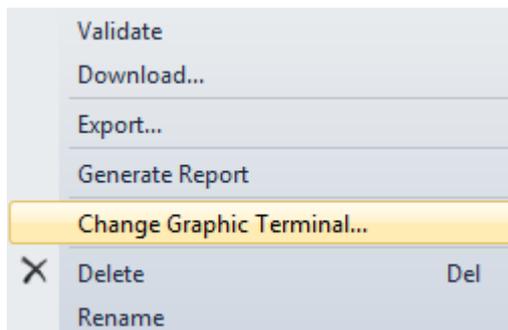
- Workbench Release 8.00 (or higher) required to support PanelView 800
 - DesignStation 8.00 (or higher)
- Easily migrate PanelView Component applications using 'Change Graphic Terminal' option
 - PanelView Component applications are compatible with PanelView 800 terminals however, it is recommended to use the 'Change Graphic Terminal' feature due to screen size, resolution, and color differences especially with 7" and 10"
- More Industrial Symbols available to make screens more representative of actual machine
- RSLinx[®] Classic support. Browse Ethernet network and download easier
 - Able to take advantage of Micro800 pass-through. Download USB → Ethernet.
- Enhanced Recipe function
- ControlFLASH[®] utility supported to update firmware
- Larger alphanumeric keypad to reduce mistakes when entering values

Connected Components Workbench R8.00

Change Graphic Terminal Models

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- Easily migrate PanelView Component applications to PanelView 800
- Change the size of terminal that is targeted for the application
- Change an application from landscape to portrait mode (and vice versa)
 - Space savings for certain applications

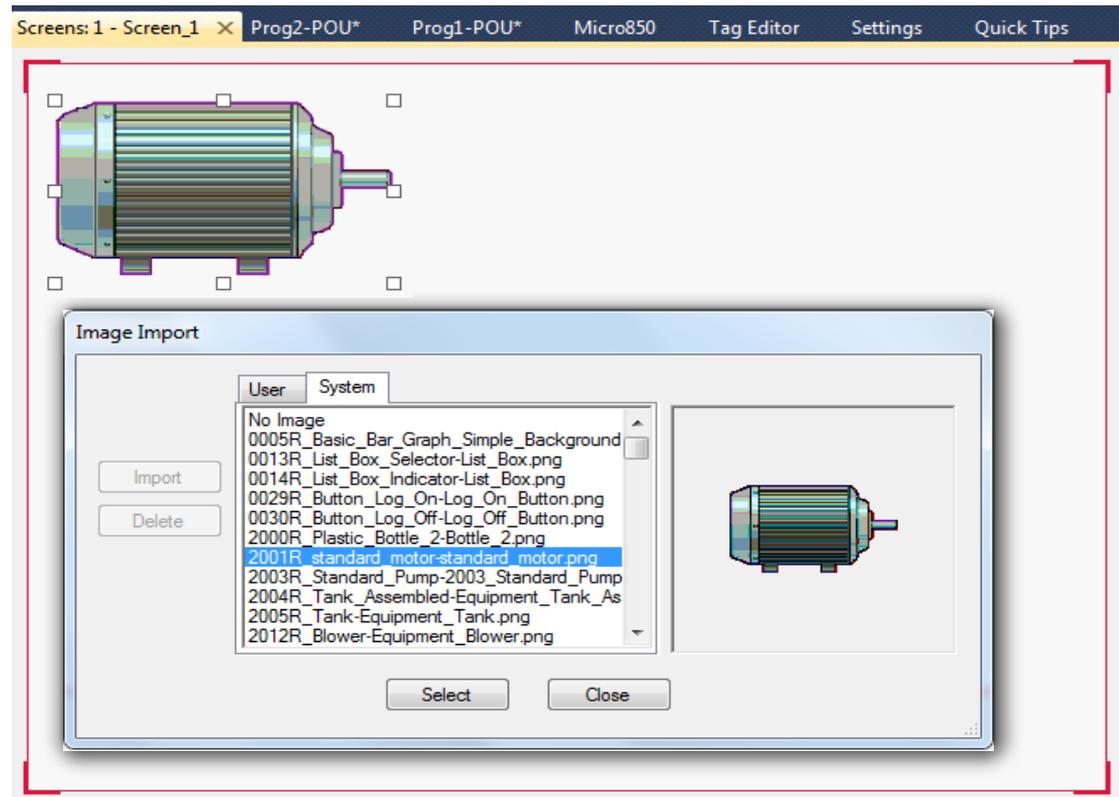


Connected Components Workbench R8.00

Additional Symbol Support

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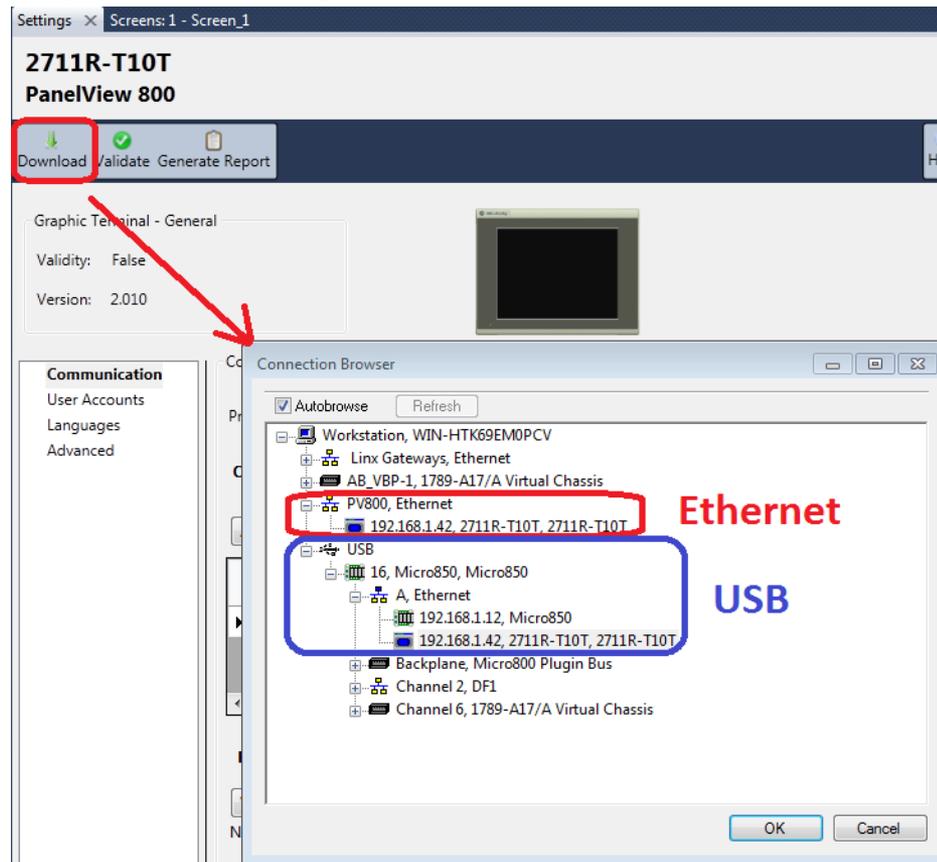
- More images available for import make application screens more representative of actual machine
 - Only available for PanelView 800



Connected Components Workbench R8.00

RSLinx browsing over USB and Ethernet

- Browse for the PanelView 800 terminal on Ethernet using RSLinx and then download the application
- Or use Micro800 pass-through from USB to Ethernet



Connected Components Workbench R8.00

Enhanced Recipe Management

- Support up to 50 recipe files, with up to 50 ingredients in each recipe

The screenshot displays the 'Recipes' management interface. At the top, there are buttons for 'Create Recipe', 'Delete Recipe', 'Add Ingredient', and 'Delete Ingredient'. Below these are two main sections: a list of recipes and a table of ingredients.

The recipe list on the left shows three entries: RECIPE_01, RECIPE_02, and RECIPE_03. RECIPE_03 has a settings gear icon and a close 'X' icon. A context menu is open over RECIPE_03, showing 'Copy', 'Paste', and 'Delete' options.

The ingredient table on the right has the following columns: Name, Tag, Data Type, Min Value, Max Value, and Value. It lists five ingredients: INGREDIENT_01 through INGREDIENT_05, all with a 'Numeric' data type.

Red arrows highlight the 'Recipe' column in the list, the 'Tag' column in the table, and the 'Copy' button in the context menu.

- Ability to copy/paste recipe from/to Excel file for editing and to make recipe management easier

- Supports ControlFLASH to make updating firmware runtime of the terminal easier over Ethernet

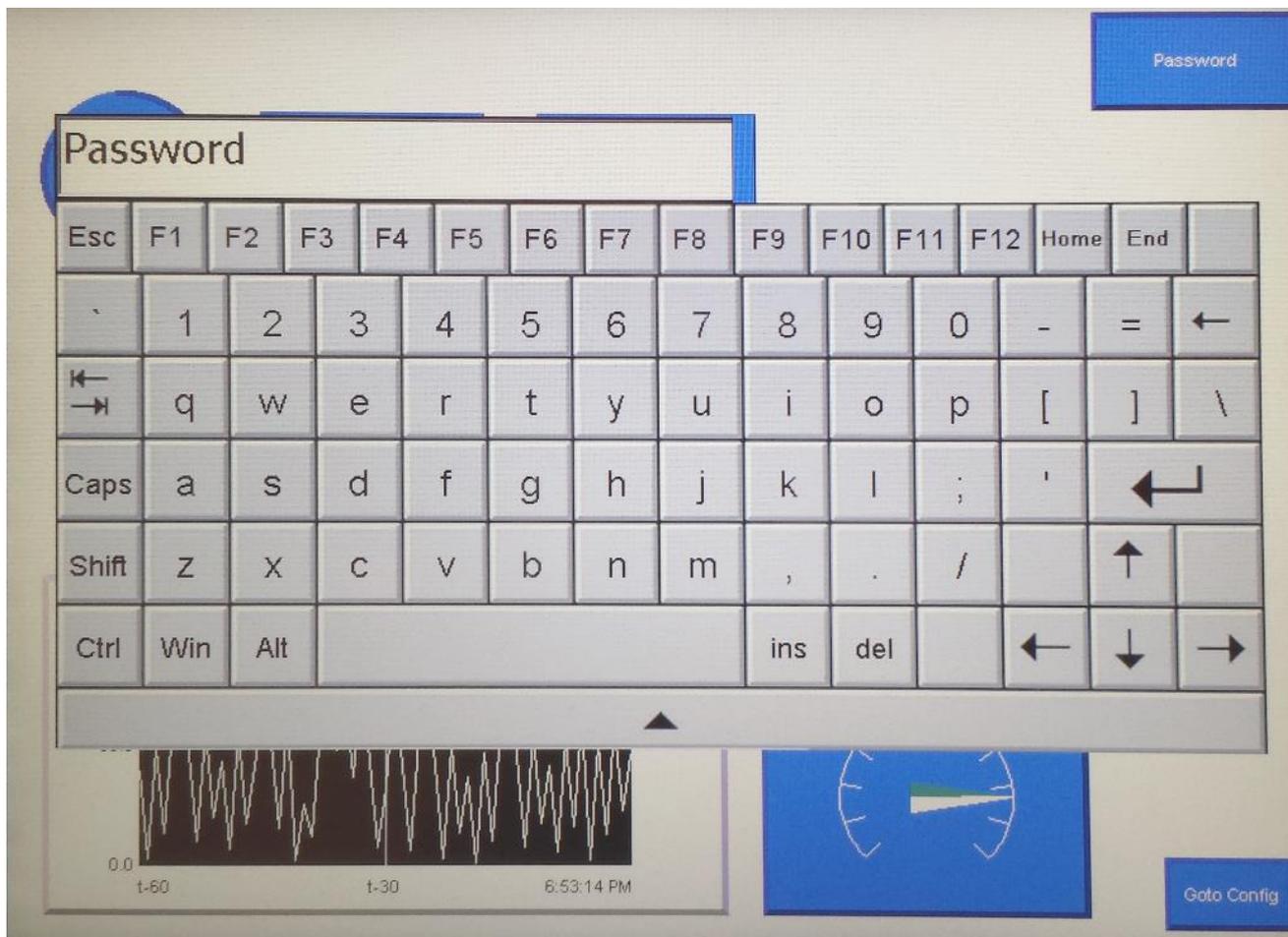


Connected Components Workbench R8.00

Larger virtual keyboard

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- Large virtual keyboard for ease of use



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Planning for Easy Migration

- Direct drop-in replacement for 4" PanelView 800 to 4" PanelView Component (exact same dimension)
- 7" and 10" PanelView 800 has smaller dimension than the 6" and 10" PanelView Component; 7" and 10" Adapter plate kits are available to order for migration from PanelView Component

PanelView Component



4"



6"



10"

| | PVc | PV800 | |
|-------------------------------------|----------------|----------------|-----|
| Dimension (H x W x D) mm | | | |
| 4" | 116 x 138 x 43 | 116 x 138 x 43 | 4" |
| 6" | 154 x 209 x 57 | 144 x 197 x 54 | 7" |
| 10" | 250 x 308 x 55 | 225 x 287 x 55 | 10" |
| Cut Out Dimension (H x W) mm | | | |
| 4" | 99 x 119 | 99 x 119 | 4" |
| 6" | 135 x 189 | 125 x 179 | 7" |
| 10" | 231 x 289 | 206 x 269 | 10" |

PanelView 800



4" TFT



7" TFT



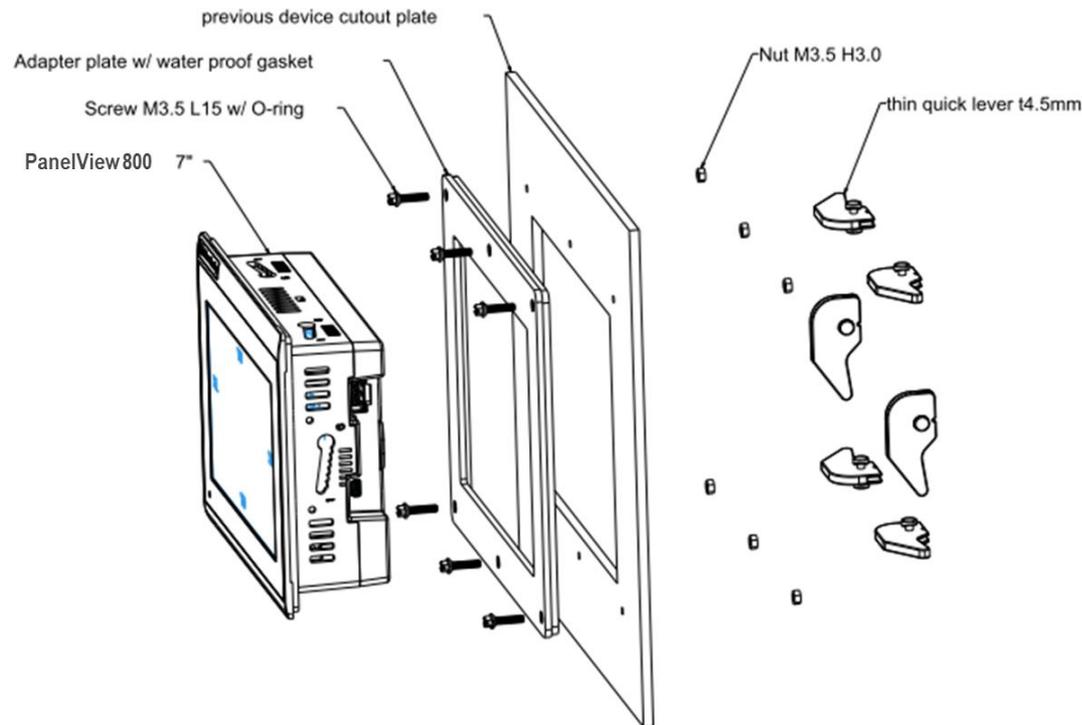
10" TFT



Adapter Plate Installation

Easy Migration for Existing PanelView Component to PanelView 800

- 7" and 10" Adapter plate kits include:
 - Adapter plate with gasket – IP65 and NEMA 4X rated
 - Screws and nuts for mounting adapter plate onto existing panels
 - Quick levers for mounting PanelView 800 terminals
 - Installation instruction manual



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PanelView 800 Catalog Summary

| Catalog Number | PanelView 800 Terminals and Accessories Description |
|---------------------|--|
| 2711R-T4T | 4" TFT with serial and Ethernet port Resistive touch panel, with four tactile function keys |
| 2711R-T7T | 7" TFT with serial and Ethernet port Resistive touch panel |
| 2711R-T10T* | 10" TFT with serial and Ethernet port Resistive touch panel |
| 2711R-APK7 | 7" Adapter Plate Kit |
| 2711R-APK10* | 10" Adapter Plate Kit |
| 2711R-CSP | Stylus Pen (5pcs/pack) |

* 10-inch PV800 AFC scheduled in May 2015



PanelView 800 Highlights

Latest offering of HMI graphic terminals from Rockwell Automation

- Variety of 4", 7" and 10" inch display sizes with touch screen and/or tactile keys
- Space-saving compact design
- Fast CPU processor speed and built-in memory
- High-resolution display with LED backlight and 65K color display
- Multiple communications (Ethernet, Serial)
- Flexibility in landscape and portrait applications
- Free programming software (Connected Components Workbench Release 8.00 – Standard Edition)



Resources

List of URLs

**Rockwell
Automation**

| Description | URL |
|--|---|
| PanelView 800 on ab.com | www.rockwellautomation.com/go/lit/pv800 (visible by 9 March) |
| Connected Components Workbench software | http://www.rockwellautomation.com/rockwellautomation/products-technologies/connected-components/tools/workbench.page? |
| Connected Components | http://www.rockwellautomation.com/rockwellautomation/products-technologies/connected-components/overview.page |



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