



## Display Backlight for PanelView 1000 Terminals

Catalog Numbers 2711-NL7, 2711-NL9, 2711-NL10

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### About This Publication

This document shows how to remove and replace the backlight for the PanelView 1000 standard terminals.

<b>Terminal</b>	<b>Backlight Catalog Number</b>
PV1000 Color Series C	2711-NL7
PV1000 Color Series D and E	2711-NL9
PV1000 Gray Scale Series C and D	
PV1000 Color Series F	2711-NL10
PV1000 Gray Scale Series E	

## Important User Information

Solid state equipment has operational characteristics differing from those of electromechanical equipment. Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls (publication SGI-1.1 available from your local Rockwell Automation sales office or online at <http://literature.rockwellautomation.com>) describes some important differences between solid state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.





In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

No patent liability is assumed by Rockwell Automation, Inc. with respect to use of information, circuits, equipment, or software described in this manual.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

<b>WARNING</b> 	Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.
<b>IMPORTANT</b>	Identifies information that is critical for successful application and understanding of the product.
<b>ATTENTION</b> 	Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you to identify a hazard, avoid a hazard, and recognize the consequences.
<b>SHOCK HAZARD</b> 	Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.
<b>BURN HAZARD</b> 	Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.

## Precautions

Disconnect power from the terminal before installing or replacing any components. Take care not to touch any of the exposed electronic components during installation.

### ATTENTION



Disconnect all power from the terminal before installing or replacing any components. Failure to disconnect power may result in electrical shock or damage to the terminal.

### ATTENTION



Work in a static free environment and wear a properly grounded electrostatic discharge (ESD) wristband.

Be careful when touching any of the exposed electronic components to prevent damage from ESD.

## Kit Contents

The backlight replacement kit contains these items.

Item	Quantity
Replacement backlight	1
Bezel screws	10

## Remove the Backlight

Follow these steps to remove the existing backlight.

1. Turn off the power to the PanelView terminal.

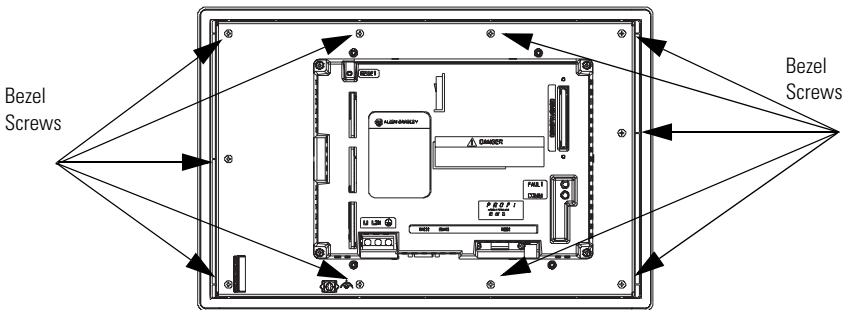
### ATTENTION



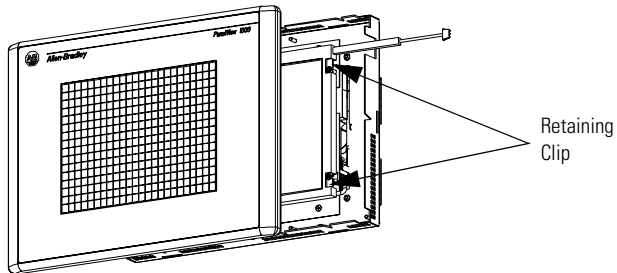
Wear a properly grounded ESD wristband before touching any of the electronic components in the logic module.

Be careful when touching any of the exposed electronic components to prevent damage from ESD.

2. Lay the terminal display side down on a flat stable surface and remove 10 bezel screws from the shroud.



3. Turn the terminal over and rest it on the back cover.
4. Lift the bezel up and slide it slightly over to the side.



5. Detach the backlight power connector from the backlight.
6. Lift up on the retaining clip that secures the bulb and then pull the backlight out.

## Install the Backlight

Follow these steps to install the backlight.

1. Install the new backlight, making sure the retaining clip is fully engaged.
2. Connect the backlight power connectors, making sure they are fully engaged.
3. Slide the bezel back into place, being careful with the bezel connection.  
The bezel connections are the flat ribbon cables.
4. Turn the terminal over, install 10 bezel screws, and torque to 1.36...1.58 Nm (12...14 lb-in).  
Replacement screws are provided.
5. Apply power and verify the operation of the backlight.  
If the display does not illuminate, refer to the troubleshooting chart in the PanelView Standard Operator Terminals User Manual, publication 2711-UM014.
6. Recheck all connections and free pathways for cabling.

## Backlight Disposal

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**IMPORTANT**

The backlight in this product contains mercury. At the end of its life, this equipment should be collected separately from any unsorted municipal waste.

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**Notes:**

# Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://support.rockwellautomation.com>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect Support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

## Installation Assistance

If you experience a problem with a hardware module within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your module up and running.

United States	1.440.646.3223 Monday – Friday, 8am – 5pm EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

## New Product Satisfaction Return

Rockwell tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning, it may need to be returned.

United States	Contact your distributor. You must provide a Customer Support case number (see phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for return procedure.

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