

Logix5000 Control Systems: Connect a PanelView Plus Terminal over an EtherNet/IP Network

Catalog Numbers Logix5000 Controllers, 2711P PanelView Plus Terminals



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://www.rockwellautomation.com/literature/>) 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.

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



WARNING: 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.



ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard, and recognize the consequence.



SHOCK HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.



BURN HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.

IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

Allen-Bradley, Compact I/O, CompactLogix, FactoryTalk, Integrated Architecture, Logix5000, PanelView, POINT I/O, Rockwell Software, Rockwell Automation, RSLinx, RSLogix, RSNetWorx, Stratix 6000, and TechConnect are trademarks of Rockwell Automation, Inc.

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Notes:

This quick start provides examples and procedures for including a PanelView™ Plus terminal in a Logix5000™ control system over an EtherNet/IP network. The programming examples are not complex, and offer easy solutions to verify that devices are functioning and communicating properly.

IMPORTANT This publication describes basic **example tasks** you can complete when using a PanelView Plus terminal on an EtherNet/IP network. The tasks described are **not** the only tasks you can complete with the terminal on an EtherNet/IP network.

Before Using This Publication

You can only use the tasks described in this publication after first completing some prerequisite tasks with a Logix5000 controller. For example, before you can add a PanelView Plus terminal to an RSLogix™ 5000 project, as described on [page 21](#), you must first create the project in a Logix5000 controller.

[Table 1](#) describes the tasks you must complete before using this publication.

IMPORTANT The example graphics shown in [Table 1 - Required Tasks To Complete Before Using This Quick Start on page 6](#) are for CompactLogix 5370 L3 controllers. Depending on the Logix5000 controller you are using, the specific steps to complete the tasks described in the table might vary.

For more information on how to complete these tasks with specific Logix5000 controllers, see the Integrated Architecture™ : Logix5000 Control Systems Quick Starts Quick Reference, publication [IASIMP-QR024](#).

Table 1 - Required Tasks To Complete Before Using This Quick Start

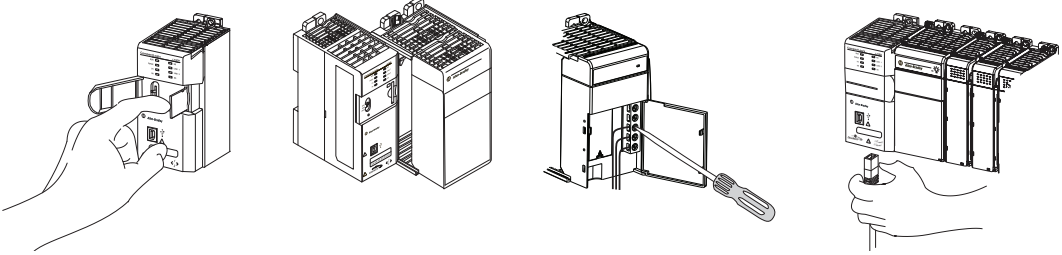
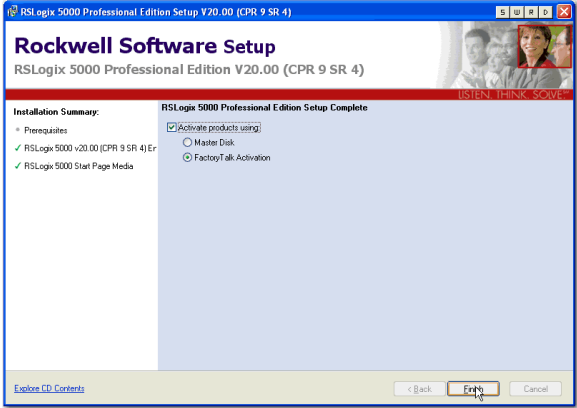
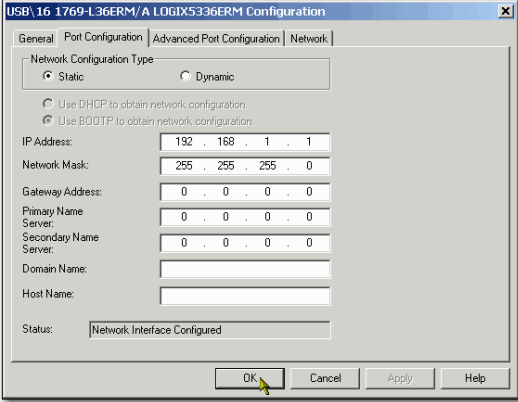
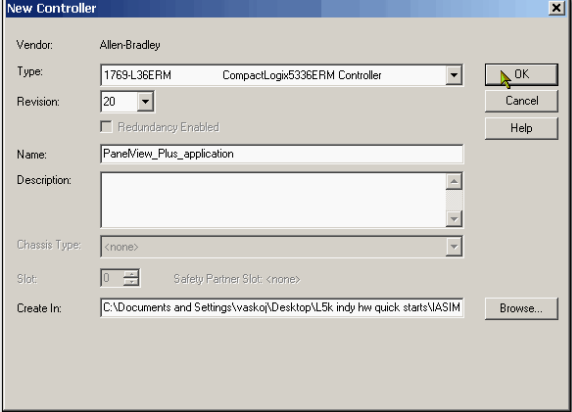
Task	Description
<p>Prepare the Logix5000 control system hardware</p>	<p>Assemble the control system and connect to necessary communication networks. Some components, for example, the desired Logix5000 controller and system power supply, are required. Other components, for example, a network communication module, are optional.</p> <p>These graphics show the assembly of an example Logix5000 controller.</p>  <p>IMPORTANT: This task does not include installation of specific hardware components, for example, PanelView Plus terminals, used over the networks included in your application.</p>
<p>Prepare the computer</p>	<p>Install necessary software, such as RSLogix 5000 software, on your computer.</p> 

Table 1 - Required Tasks To Complete Before Using This Quick Start

Task	Description
<p>Configure the networks</p>	<p>Complete required tasks associated with the networks used in your application. For instance, as assign an IP address to the controller or to a communication module in your Logix5000 control system.</p> 
<p>Create an RSLogix 5000 project</p>	<p>Create a project to be used with your Logix5000 controller. A project includes all desired control system components and necessary programming. For example, add ladder logic to test tasks associated with individual system components..</p> 

Other Logix5000 Control System Quick Starts

This quick start describes how to use one device on one network in a Logix5000 control system. Typically, though, a Logix5000 control system includes more than the controller and one device on one network.

For example, if a Logix5000 control system operates on an EtherNet/IP network, in addition to a controller, power supply, and communication modules, the system might use remote I/O modules, drives and HMI terminals.

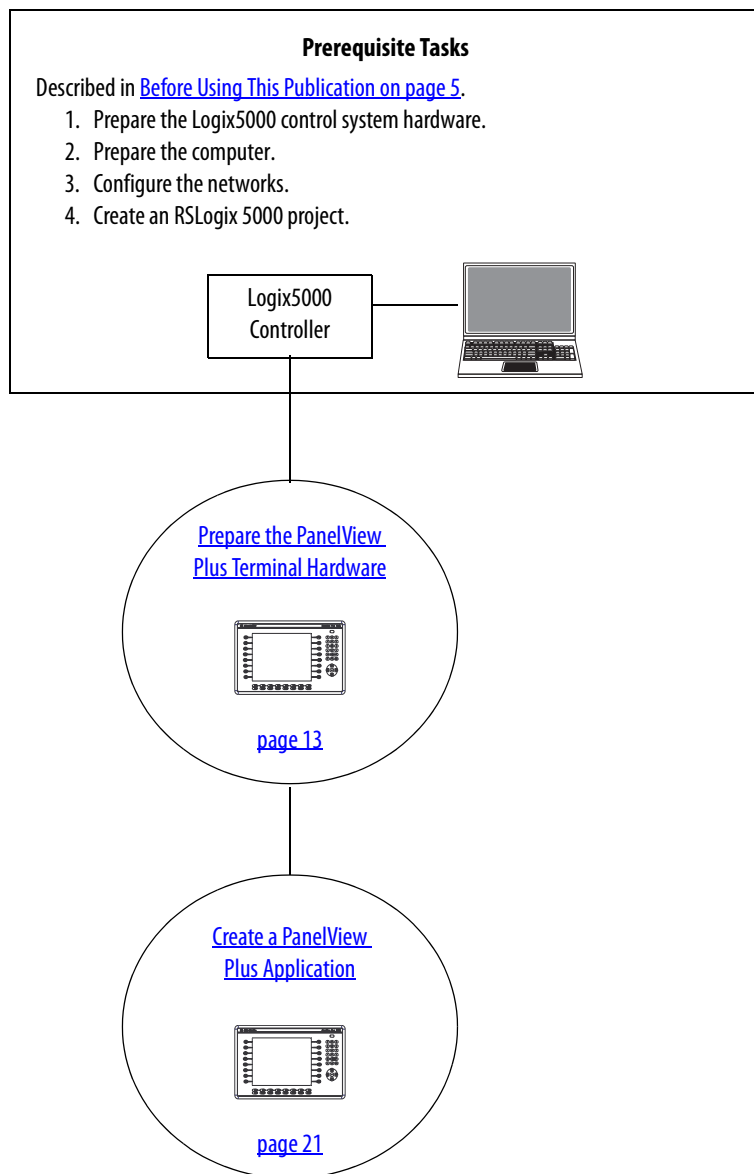
Other quick starts describe how to use different devices on different networks in Logix5000 control systems. For more information, see the Integrated Architecture: Logix5000 Control Systems Quick Starts Quick Reference, publication [IASIMP-QR024](#).

Use Each Chapter

The beginning of each chapter contains the following information. You should read these sections before beginning work in each chapter:

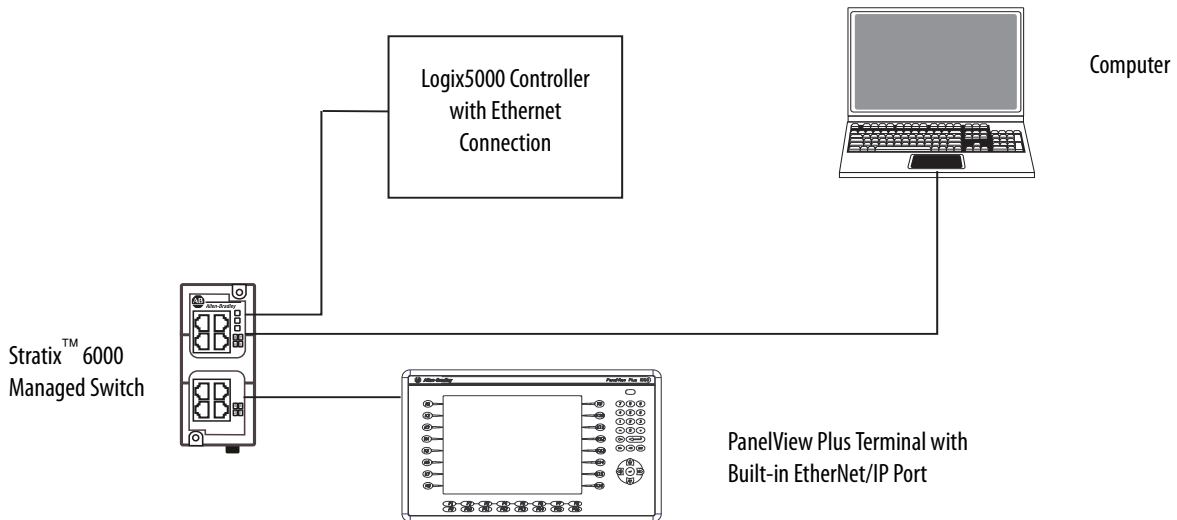
- **Before You Begin** - This section lists the tasks you must complete before starting the chapter.
- **What You Need** - This section lists the tools that are required to complete the tasks in the chapter.
- **Follow These Steps** - This section illustrates the steps in the current chapter.

Where to Start



How Hardware Is Connected

This quick start demonstrates the following possible control system.



Required Software

To complete examples in this quick start, you need the software described in this table.

Software	Version	Required for This Task
RSLogix 5000	20.00.00 or later ⁽¹⁾	Create or change RSLogix 5000 projects to use PanelView Plus terminals
FactoryTalk® View Machine Edition ⁽²⁾	5.01.00 or later ⁽³⁾	Configure the PanelView Plus terminal and execute runtime tasks
RSLinx® Enterprise ⁽⁴⁾	5.00.00 or later	Complete the tasks described in Chapter 2, Create a PanelView Plus Application on page 21.

- (1) RSLogix 5000 software, version 20.00.00 or later is required for use of this quick start because the example Logix5000 controller, and associated tasks, described herein are completed in a CompactLogix™ L3ER control system. CompactLogix L3ER control systems require RSLogix 5000 software, version 20.00.00 or later. If you connect a PanelView Plus terminal over an EtherNet/IP network in a Logix5000 control system that uses a different controller, the minimum version may differ.
- (2) When you install the FactoryTalk View Machine Edition software, you automatically install FactoryTalk Services Platform software and RSLinx Enterprise software.
- (3) You can use version 5.01.00 with some Logix5000 controllers. However, the tasks described in this quick start use a 1769-L36ERM controller. That controller requires you to use version 6.00.00 or later and version 6.00.00 is shown in this publication.
- (4) This software is automatically installed when you install FactoryTalk View Machine Edition software.

Parts List

You need these parts to use this publication.

✓	Quantity	Cat. No.	Description
	1	2711P-K10C4D1	PanelView Plus 1000 with built-in EtherNet/IP network port
	1	2711P-RSACDIN	DC power supply for PanelView Plus terminals
	1		Panel for mounting the terminal, if desired - To complete the tasks described in this quick start, you can prop the PanelView Plus terminal on a desktop.
	1	1769-OB16	Compact I/O™ output module
	1	1585J-M8PBJM-2	RJ45-to-RJ45 patchcord Ethernet cables

For a list of parts required to complete the prerequisite tasks listed in [Table 1 - Required Tasks To Complete Before Using This Quick Start on page 6](#), see the documentation describing those tasks.

Additional Resources

Resource	Description
PanelView Plus Terminals User Manual, publication 2711P-UM001	Describes how to install, configure, and execute runtime tasks for the PanelView Plus terminal.
AC Power Supply for PanelView Plus/PanelView Plus CE Terminals Installation Instructions, publication 2711P-IN005	Describes how to install the power supply for a PanelView Plus 1000 terminal.
Stratix 6000 Ethernet Managed Switch Installation Instructions, publication 1783-UM001, publication 1783-UM004	Describes how to configure, operate and troubleshoot a Stratix 6000 managed switch.
Stratix 6000 Ethernet Managed Switches Installation Instructions, publication 1783-IN004	Describes how to install a Stratix 6000 switch.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Notes:

Prepare the PanelView Plus Terminal Hardware

In this chapter, you learn how to complete the following tasks:

- Mount and wire power to a 2711P-K10C4D1 terminal.
- Configure EtherNet/IP communication for the terminal.

Before You Begin

You must complete these tasks described in [Before Using This Publication on page 5](#) before using this chapter:

- [Prepare the Logix5000 control system hardware](#)
- [Prepare the computer](#)
- [Configure the networks](#) - The tasks described in this chapter require an EtherNet/IP network.
- [Create an RSLogix 5000 project](#)

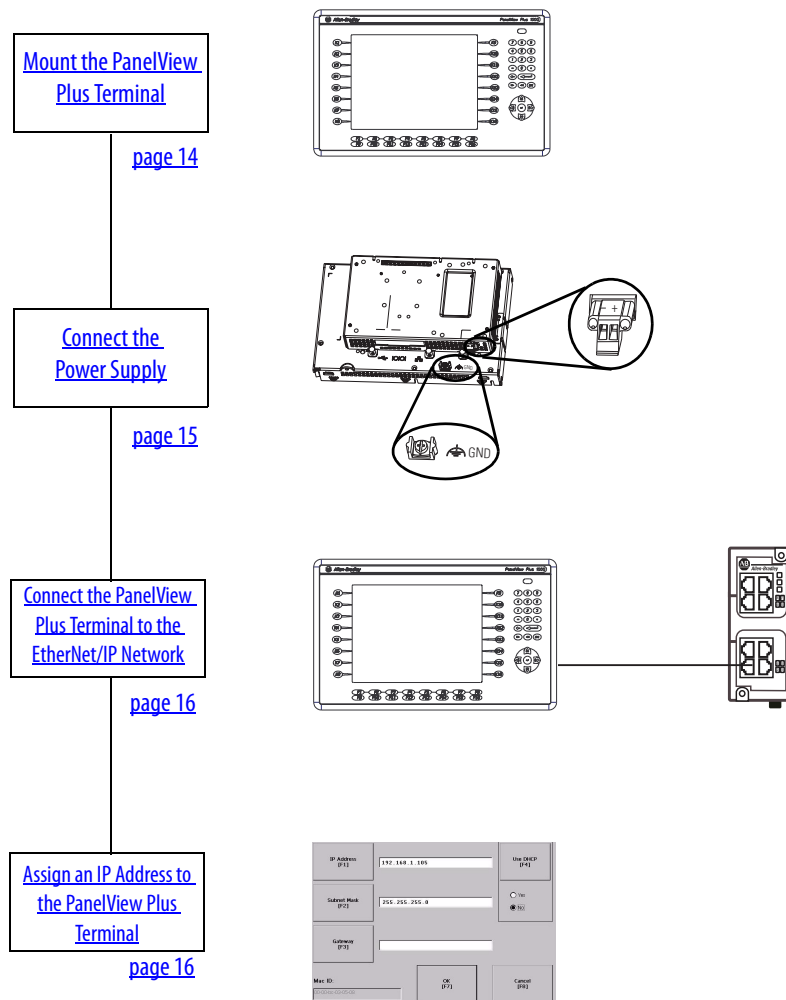
The example RSLogix 5000 project used in this chapter uses a CompactLogix 5370 L3 controller.

What You Need

This table lists the products you need to complete the tasks described in this chapter.

✓	Quantity	Cat. No.	Description
	1	2711P-K10C4D1	PanelView Plus terminal with built-in EtherNet/IP network port
	1	2711P-RSACDIN	DC power supply for PanelView Plus terminals
	1		Panel for mounting the terminal - Optional when using this publication
	1	1585J-M8PBJM-2	RJ45-to-RJ45 patchcord Ethernet cables

Follow These Steps



Mount the PanelView Plus Terminal

In normal applications, you mount a PanelView Plus terminal to a panel. For the purpose of this quick start, however, the PanelView Plus can be propped on a desktop to complete the tasks described herein.

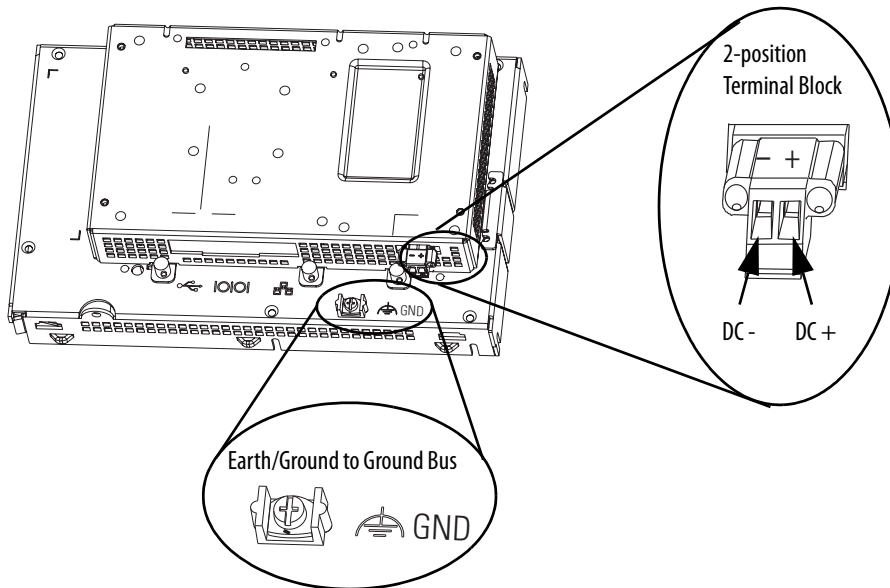
For complete mounting instructions, see the PanelView Plus Terminals User Manual, publication [2711P-UM001](#).

Connect the Power Supply



WARNING: Verify that all incoming power is turned off before wiring power.

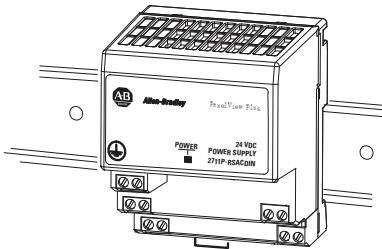
This quick start uses a PanelView Plus 1000 terminal with built-in Ethernet port and a PanelView Plus Logic module, catalog number 2711P-RP1, Series G. The 2711P-RP1 Logic module uses a 2-position terminal block for power connections.



Complete these steps to connect power to the PanelView Plus terminal.

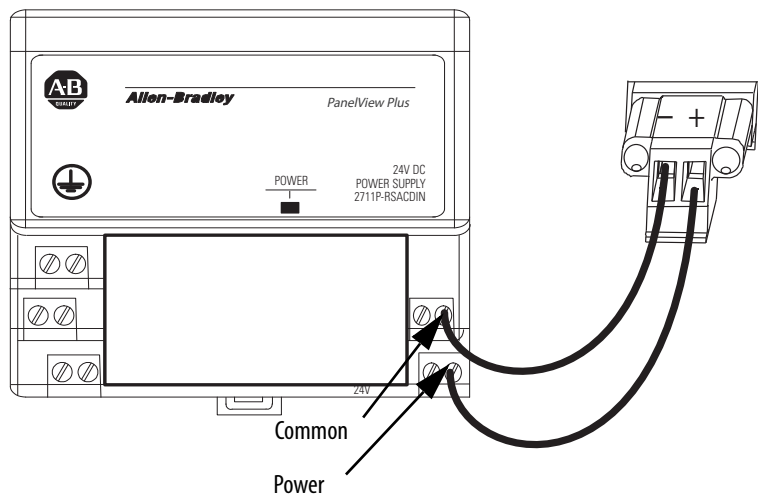
1. Install the 2711P-RSACDIN DC power supply for the PanelView Plus terminal on a DIN rail.

Do not turn on power to the power supply.



For detailed information on how to install a 2711P-RSACDIN DC power supply, see the AC Power Supply for PanelView Plus/PanelView Plus CE Terminals Installation Instructions, publication [2711P-IN005](#).

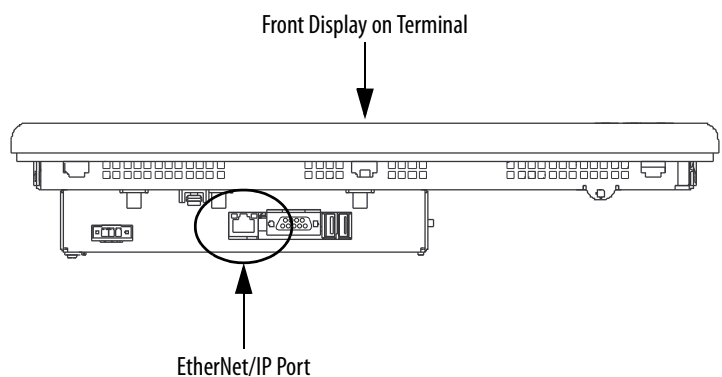
2. Gently pull the terminal block off of the PanelView Plus terminal.
3. Connect the 12/24V DC common and 12/24V DC power wires from the power supply to the terminal block, - (common) and + (power).
4. Connect the terminal block to the PanelView Plus terminal.



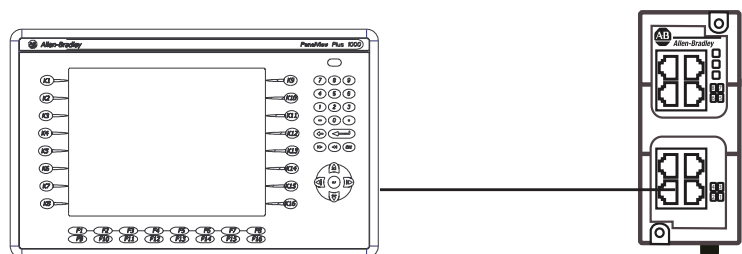
Connect the PanelView Plus Terminal to the EtherNet/IP Network

IMPORTANT If you completed the tasks described in the Logix5000 controller quick start for the controller you are using with this quick start, you should already have an Ethernet switch installed on the EtherNet/IP network. If not, install a switch, for example, a Stratix 6000 managed switch, on the EtherNet/IP network before proceeding.

1. Connect one end of the 1585J-M8PBJM-2 RJ45-to-RJ45 patchcord Ethernet cable to the EtherNet/IP port on the PanelView Plus terminal.



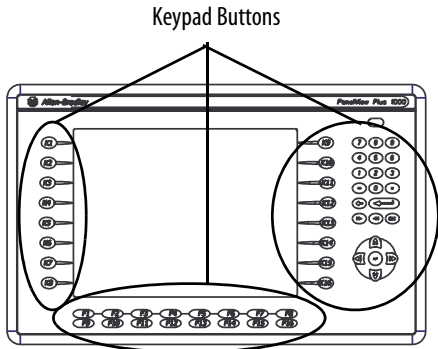
2. Connect the other end of the cable to an Ethernet switch.



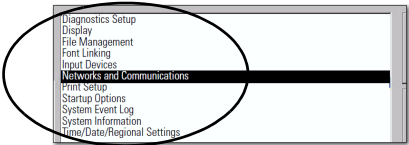
Assign an IP Address to the PanelView Plus Terminal

This graphic shows a 2711P-RP1, Series G terminal. You use the keypad buttons to make choices from the options on the terminal screen.

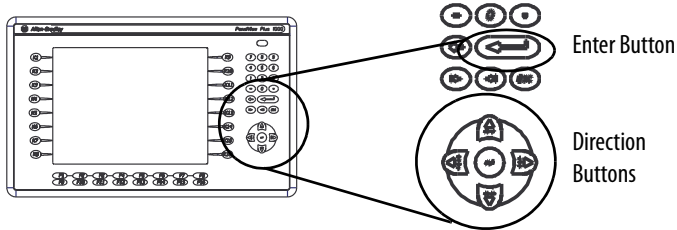
- If the options on the screen are lines of text, press the direction arrows, that is, up/down and left/right arrows, on the keypad to highlight the option you need and press the enter button.



Lines of Text on Screen



Keypad Buttons



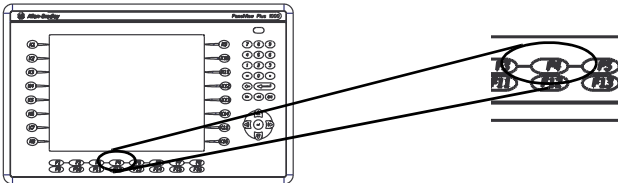
- If the option on the screen show specific button number from the keypad, press the matching button on the keypad.

Terminal Setting [F4] Option on Screen



For example, to choose the Terminal Settings [F4] option on the screen, press the F4 button on the keypad.

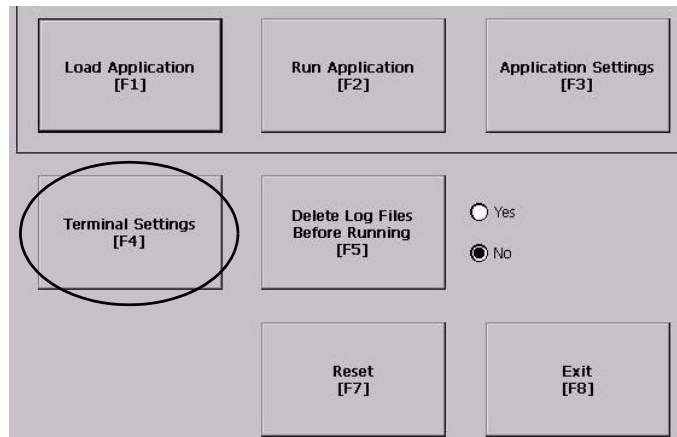
F4 Button



Complete the following steps to assign an IP address to the PanelView Plus terminal.

1. Apply power to the PanelView Plus terminal.

2. When the initial PanelView Plus terminal configuration screen appears on the terminal, press [F4] on the keypad to access the terminal settings.



3. Press the direction arrows and Enter button on the keypad to navigate this path and access the IP address: Networks and Communications>Network Connections>Network Adaptors>Built-in Ethernet Controller>IP Address [F2].



4. Press IP address [F1].

5. Use the numbers on the keypad to assign an IP address to the PanelView Plus terminal.

6. Press the Enter button on the keypad twice.

7. Press Subnet Mask [F2].

8. Use the numbers on the keypad to assign a subnet mask to the PanelView Plus terminal.

9. Press Enter.

10. Press OK [F7] to save settings, as shown, and press OK [F7] to acknowledge the reset message.
11. Press [F8] four times until you return to the initial configuration screen.
12. Press [F7] to reset the terminal.
13. Press [F7] to confirm.

Additional Resources

For a list of additional resources that might assist you when preparing the PanelView Plus terminal hardware, see [page 11](#).

Notes:

Create a PanelView Plus Application

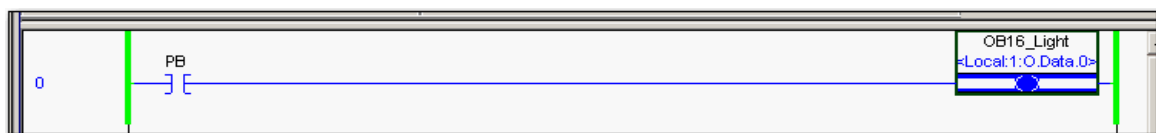
In this chapter, you learn how to complete the following tasks:

- Create a push button and a multi-state indicator in FactoryTalk View Studio software.
- Transfer the application to the 2711P-K10C4D1 drive so you can test communication with the controller.

Before You Begin

You must complete these tasks before using this chapter:

- The tasks described in [Before Using This Publication on page 5](#), including:
 - [Prepare the Logix5000 control system hardware](#)
 - [Prepare the computer](#)
 - [Configure the networks](#) - The tasks described in this chapter require an EtherNet/IP network.
 - [Create an RSLogix 5000 project](#)- In your RSLogix 5000 project, include a ladder logic rung with Examine On and Output Energize elements as shown. In this example, the alias tag named OB16_Light is an alias for point Local:1:O.Data.0.



The example RSLogix 5000 project used in this chapter uses a CompactLogix 5370 L3 controller.

- Install an I/O module with the following conditions:
 - Accessible to the PanelView Plus terminal over the EtherNet/IP network
 - Included in the RSLogix 5000 project used with this quick start.

This publication uses a 1769-OB16 digital output module.

- Prepare the PanelView Plus terminal as described in Chapter 1, [Prepare the PanelView Plus Terminal Hardware on page 13](#), including:
 - [Mount the PanelView Plus Terminal](#)
 - [Connect the Power Supply](#)
 - [Connect the PanelView Plus Terminal to the EtherNet/IP Network](#)
 - [Assign an IP Address to the PanelView Plus Terminal](#)

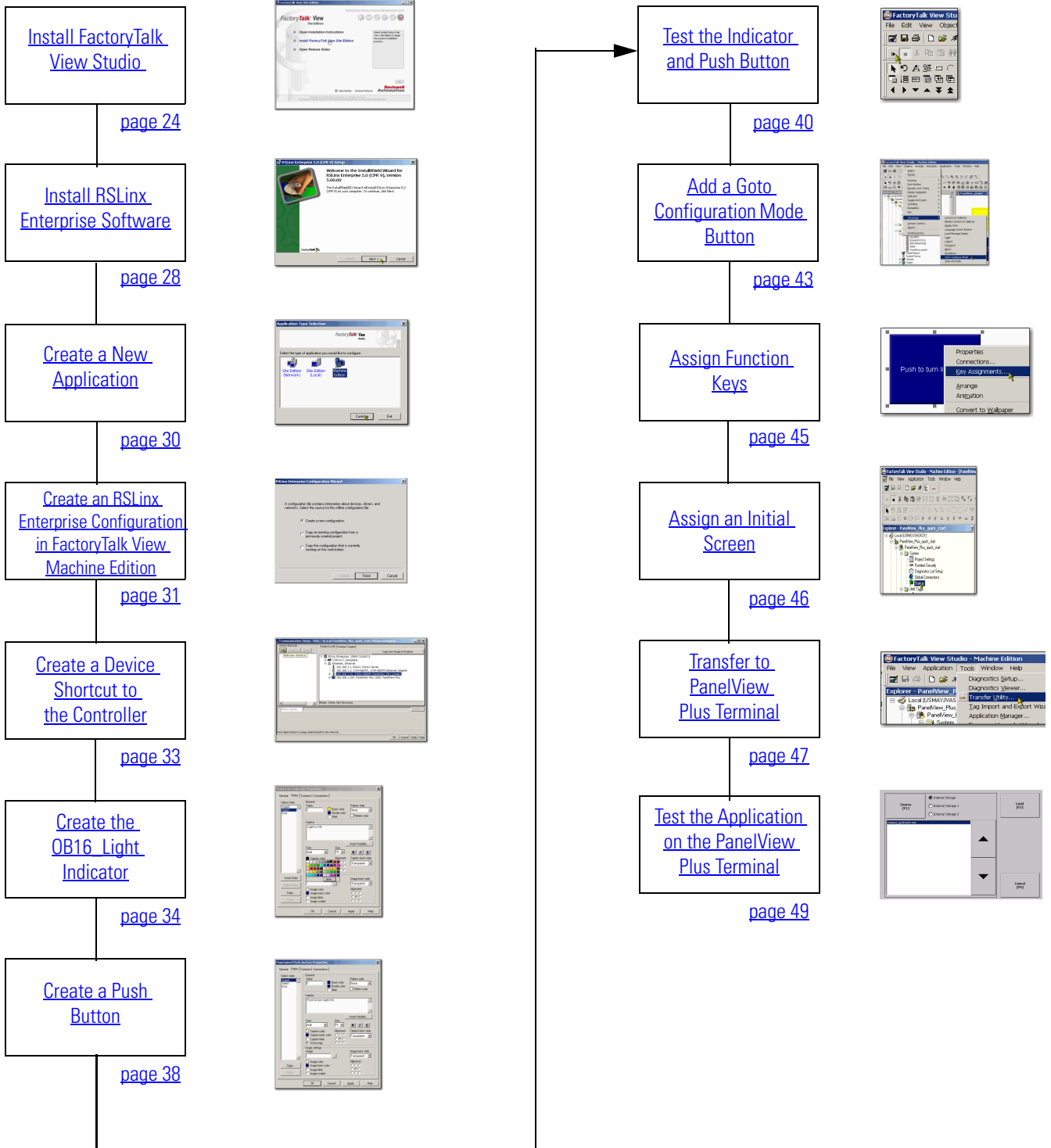
What You Need

You need the following software to complete the tasks described in this chapter:

- FactoryTalk View Studio software
- RSLinx Enterprise software
- RSLogix 5000 software

IMPORTANT This section describes how to install FactoryTalk View Studio software and RSLinx Enterprise software.

Follow These Steps



Install FactoryTalk View Studio Software

IMPORTANT The tasks described in this quick start use a 1769-L36ERM controller. That controller requires that you use FactoryTalk View Studio software, version 6.00.00. Therefore, this chapter describes how to use FactoryTalk View Studio software, version 6.00.00.

You can use FactoryTalk View Studio software, version 5.01.00 or earlier (known as FactoryTalk View Studio software) with some Logix5000 controllers. If you choose to use FactoryTalk View Studio software, version 5.01.00 or earlier, be aware that some of the tasks described in this chapter may be completed differently in version 5.01.00 or earlier.

Your computer have FactoryTalk Services Platform software installed on it before you can use the FactoryTalk View Studio software. This quick start assumes you have FactoryTalk Services Platform installed on your computer, do so now before proceeding with the rest of the tasks described in this chapter.

You can install from the same DVD file or downloaded file for FactoryTalk View Studio software.

Throughout the installation, click Next to use default software installation settings, except where indicated.

TIP As installation progresses and depending on your system configuration, you may be prompted to complete additional set-up tasks not described in this chapter.

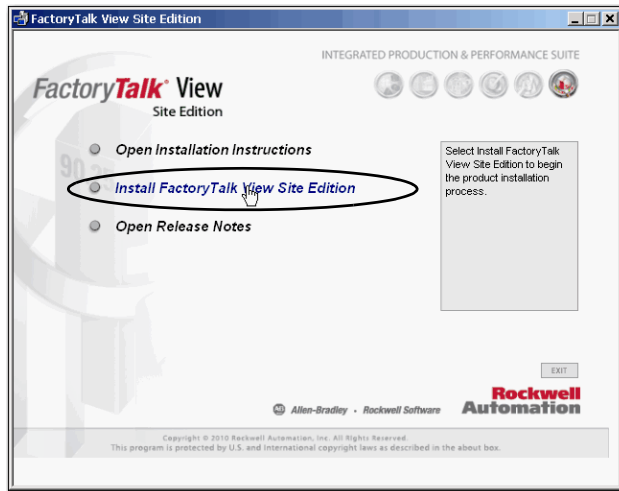
Follow those prompts and enter information as applies to your installation.

This section describes how to install the software from a DVD. The following steps describe clicking on FactoryTalk View Site Edition. This set of steps installs both the FactoryTalk View Site Edition and Machine Edition. You can choose Machine Edition when you launch the software after installation.

1. Verify that all Rockwell Automation software processes are shutdown.
2. When the launch screen appears, use this path to begin the installation process: FactoryTalk View>6.00.00>exe.

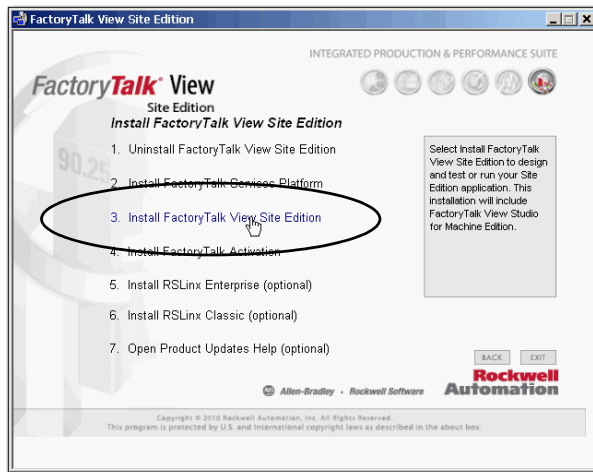


- Click Install FactoryTalk View Site Edition.

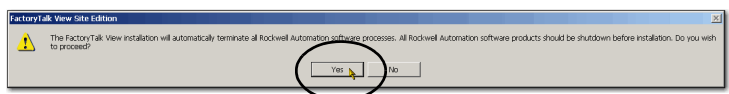


- Click Install FactoryTalk View Site Edition.

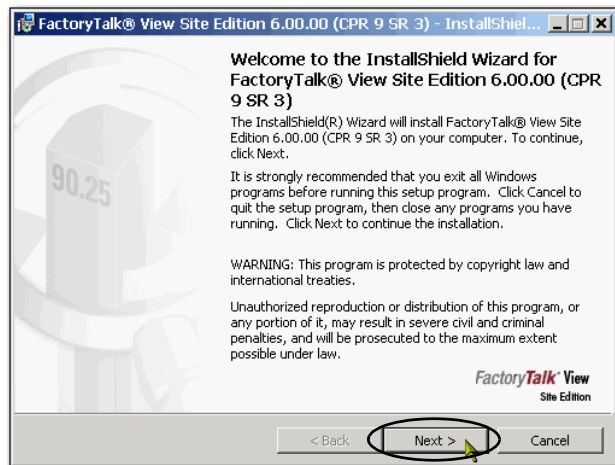
All Rockwell Automation software products should be shutdown, as described in [step 1](#). If they are not, the software alerts you to this requirement.



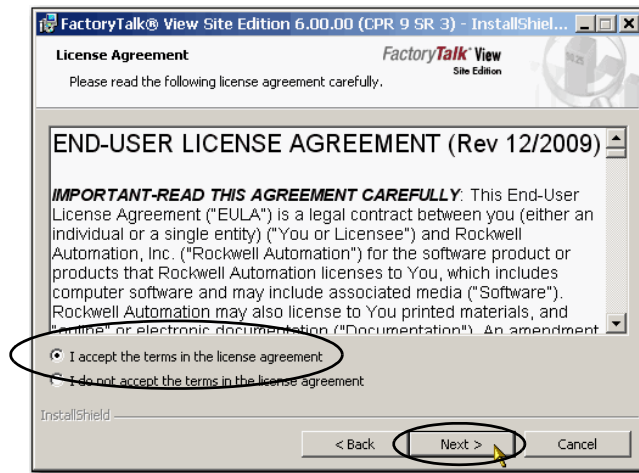
- Click Yes.



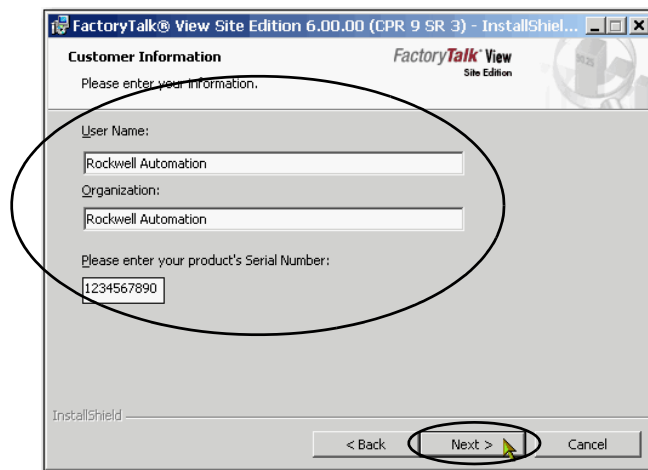
- Click Next.



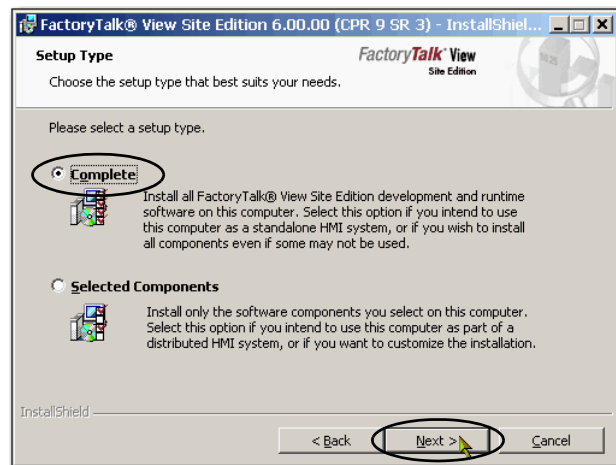
- 7. Read the end-user license agreement.
- 8. Check I accept the terms in the license agreement and click Next.



- 9. Enter your user name, organization, and software serial number and click Next.

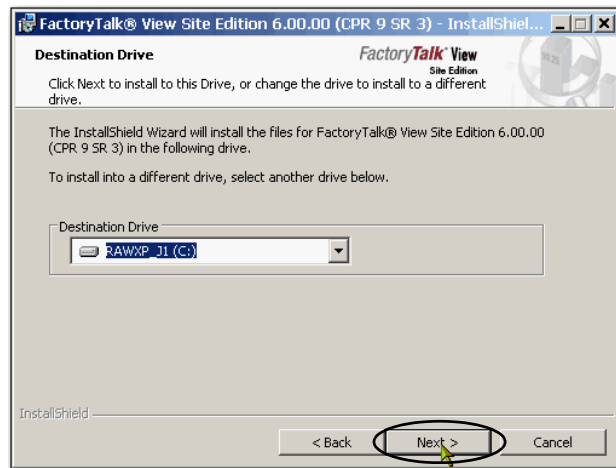


- 10. Select Complete and click Next.

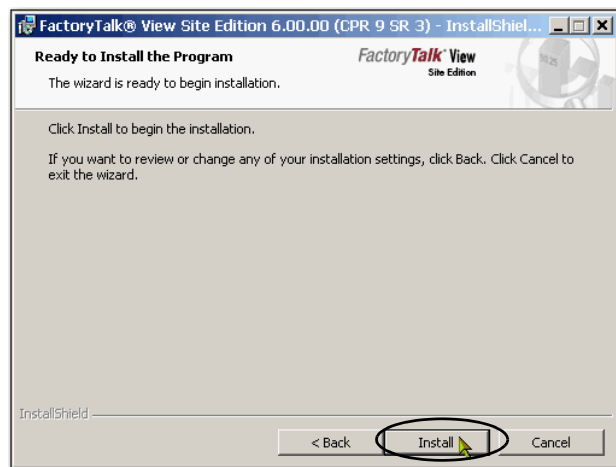


11. Select the Destination Drive and click Next.

We recommend you use the default Destination Drive setting.



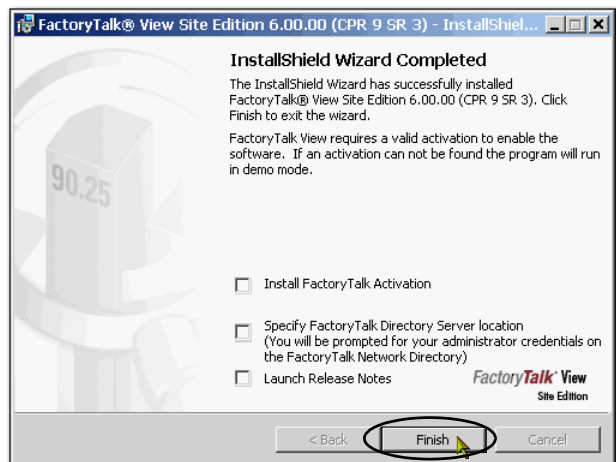
12. Click Install.



13. When the InstallShield Wizard Completed dialog box appears, click Finish.

You have the option to Install FactoryTalk Activation Server.

Because the activation server is required to use other Rockwell Automation software and RSLogix 5000 software is already installed and working on your computer, the steps to install the FactoryTalk Activation Server are not shown here.



Install RSLinx Enterprise Software

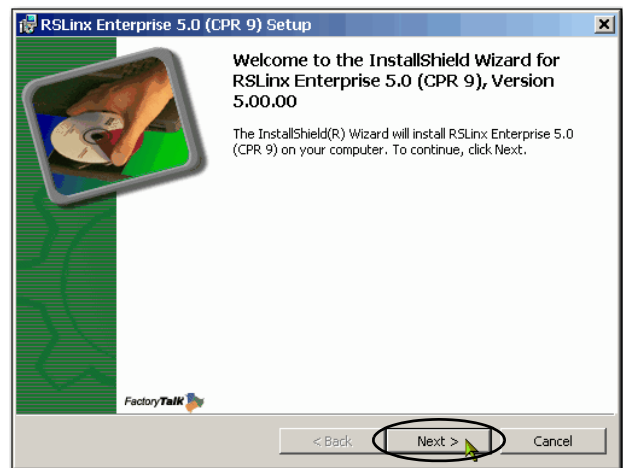
IMPORTANT Your computer must have RSLinx Enterprise software to use FactoryTalk View Studio software. Immediately following the end of installing FactoryTalk View Studio software, the installation process for RSLinx Enterprise software begins automatically.

Throughout the installation, click Next to use default RSLinx Enterprise software installation settings, except when indicated in the following steps.

TIP As installation progresses and depending on your system configuration, you may be prompted to complete additional set-up tasks not described in this chapter.

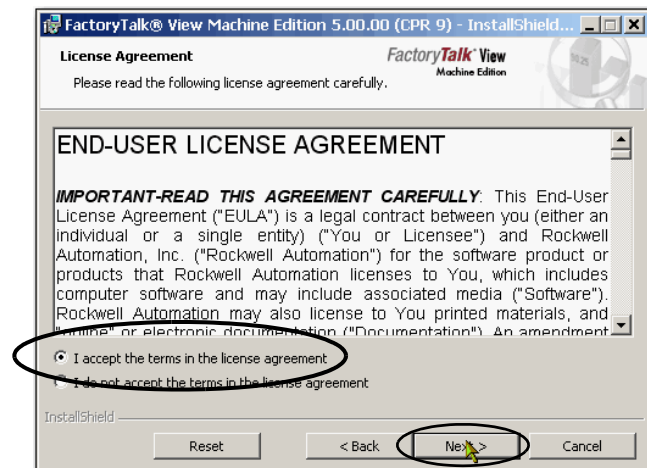
Follow those prompts and enter information as applies to your installation.

1. Click Next.

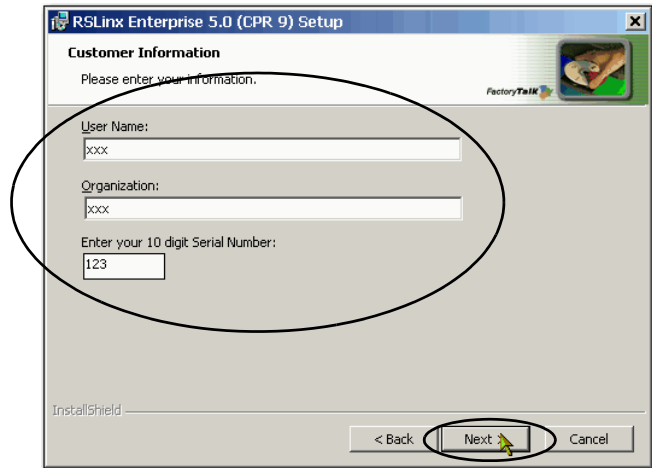


2. Read the license agreement carefully.

3. Check I accept the terms in the license agreement and click Next.

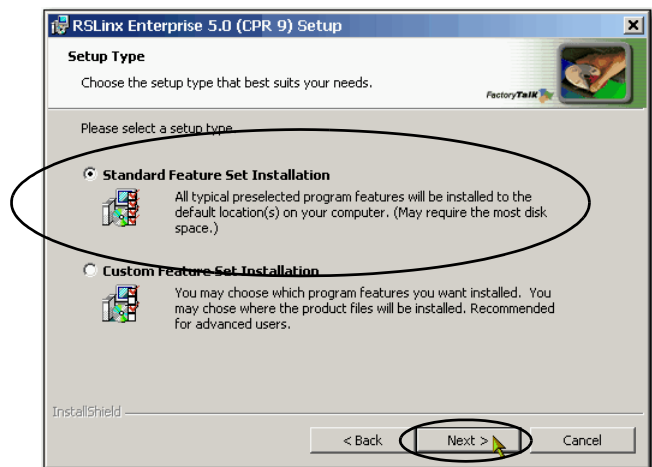


4. Enter your user name, organization, and software serial number and click Next.

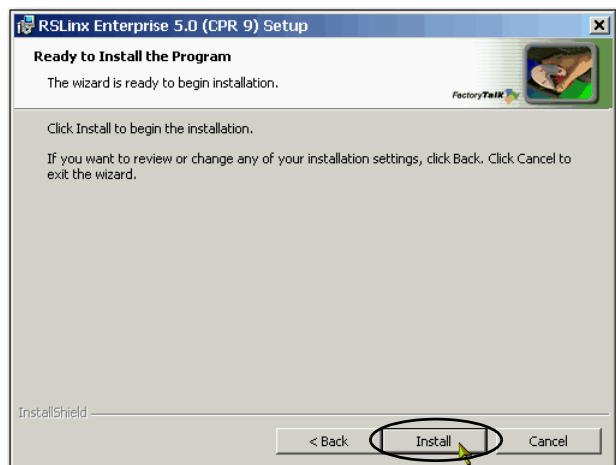


5. Choose the software setup type and click Next.

We recommend you use Standard Feature Set Installation, as shown.



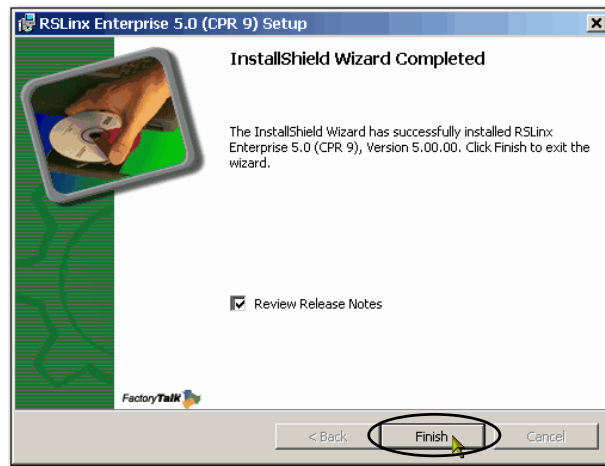
6. Click Install.



7. When the InstallShield Wizard Completed dialog box appears, click Finish.

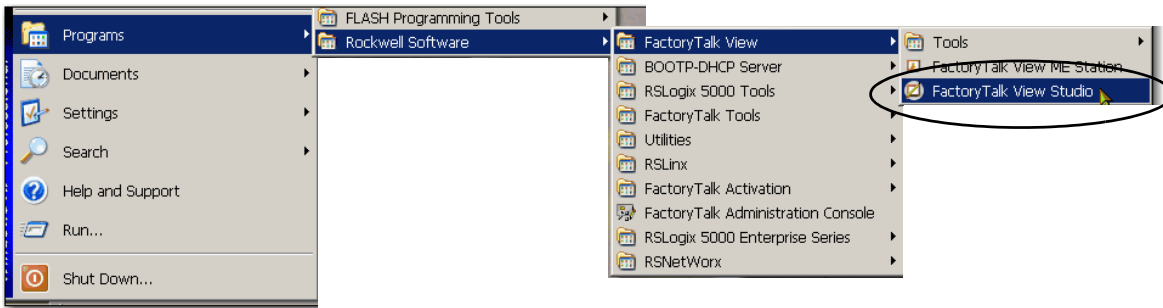
You must restart the computer to complete the installation process.

8. Restart your computer.

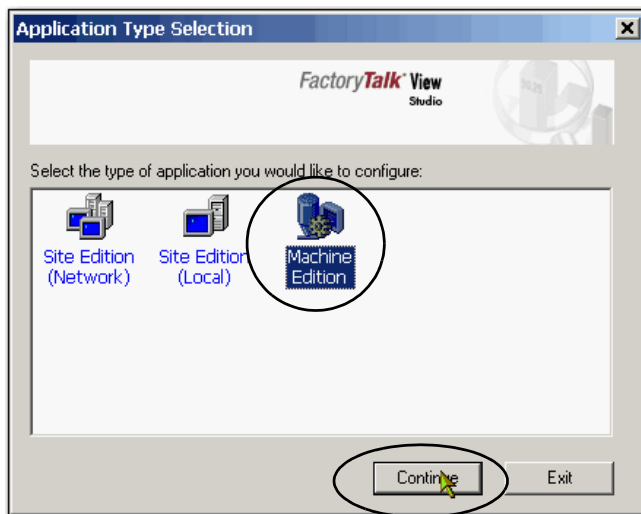


Create a New Application

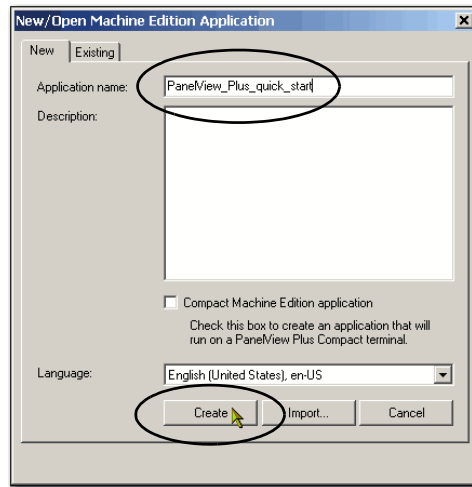
1. Launch FactoryTalk View Studio software.



2. On the Application Type Selection dialog box, select Machine Edition and click Continue.



3. Select the New tab.
4. Name the application (do not use spaces) and click Create.



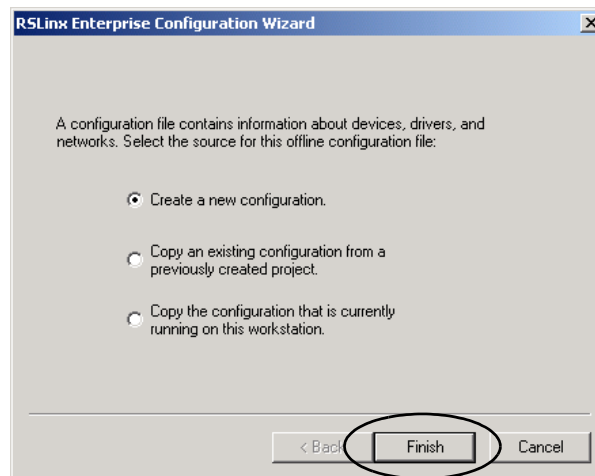
Create an RSLinx Enterprise Configuration in FactoryTalk View Machine Edition

1. In the FactoryTalk View organizer, expand RSLinx Enterprise and double-click Communication Setup.



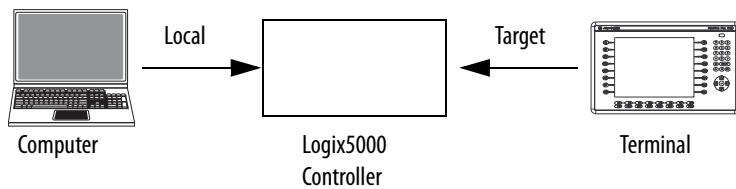
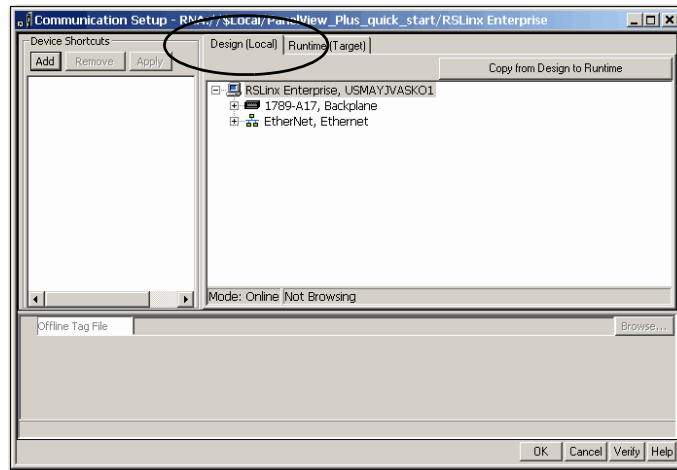
2. Click Finish.

RSLinx Enterprise software opens.



The Design (Local) tab defines the path from the computer to the controller.

The Runtime (Target) tab defines the path from the PanelView Plus terminal to the controller.

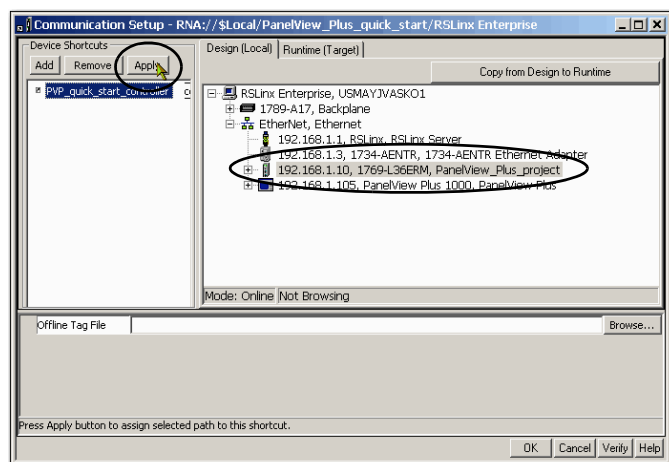
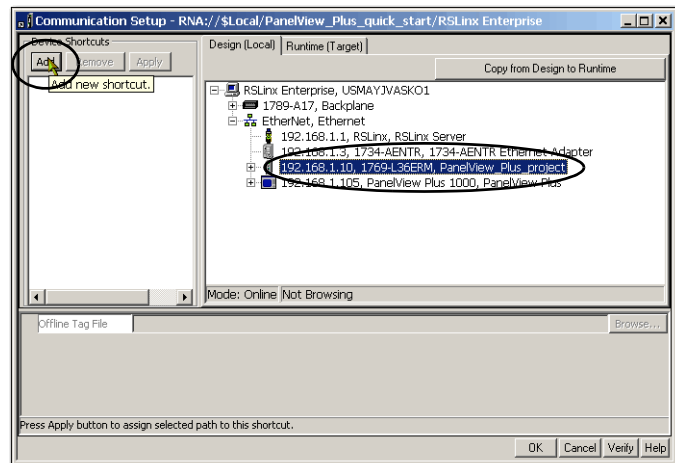


The computer needs to communicate with the controller when you are in Test Run mode. This path is defined on the **Local** tab.

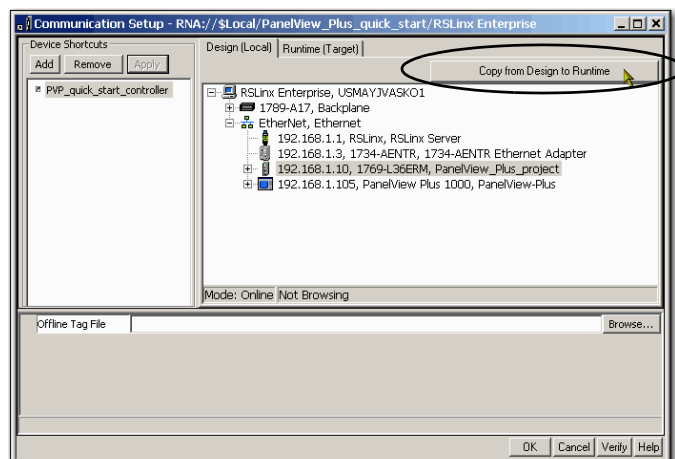
The PanelView Plus terminal also needs to communicate with the controller, but that is sometimes a different path. This path is defined on the **Target** tab.

Create a Device Shortcut to the Controller

1. Expand the EtherNet/IP tree, select your controller and click Add.
2. Type a shortcut name; do not use spaces.
3. Verify that the controller you selected in [step 1](#) is still selected.
4. Click Apply.

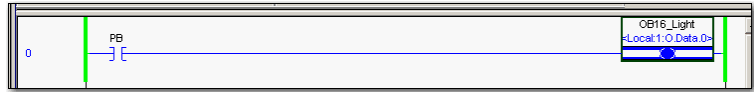


5. Click Copy from Design to Runtime.
6. Click OK.



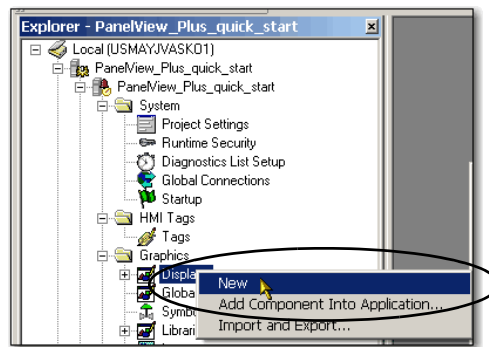
Create the OB16_Light Indicator

1. Verify that you have created an RSLogix 5000 project that includes an output module and a ladder logic rung with Examine On and Output Energize elements similar to the one shown.

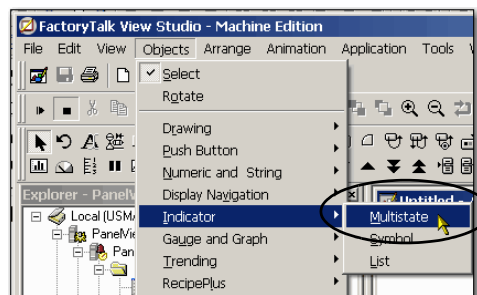


This example, the alias tag named OB16_Light is an alias for point Local:1:O:Data.0. You might choose to use a different point on the module. If so, verify that the alias tag is set to the correct module point.

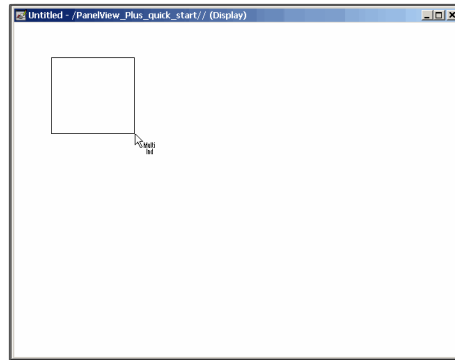
2. Go online with your controller and download the RSLogix 5000 project.
3. Open the Explorer section of FactoryTalk View Machine Edition software as shown in the following graphic.
4. Under Graphics, right-click Displays and choose New.



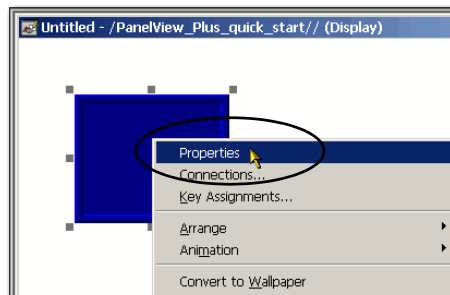
5. Choose Objects>Indicator > Multistate.



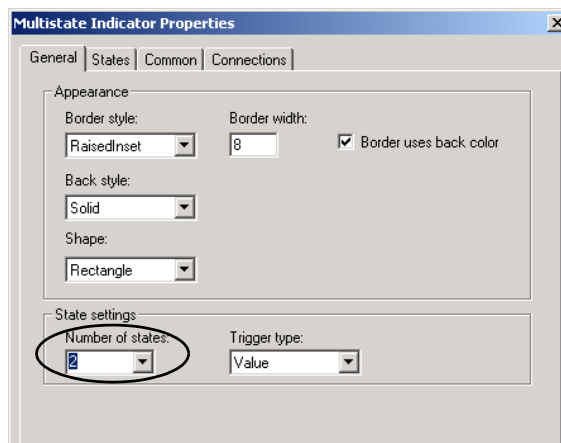
6. Click and drag to create the indicator.



7. Right-click and choose Properties.

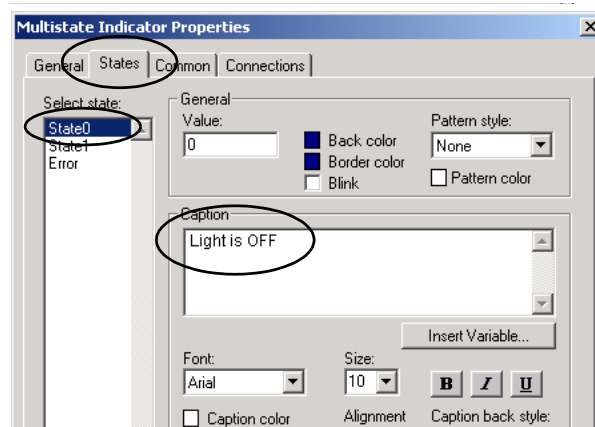


8. On the General tab, select 2 for the Number of states.



9. On the States tab, verify that State0 is selected.

10. In the Caption, type Light is OFF.

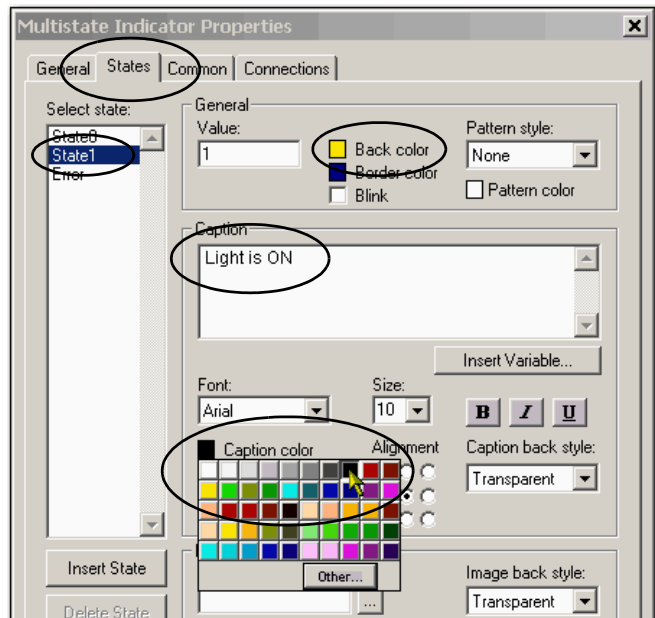


11. Select State1.

12. In the Caption, type Light is ON.

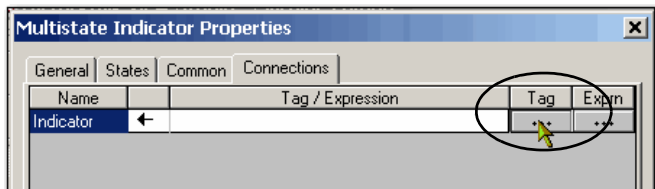
13. Change the Back Color to yellow.

14. Change the Caption Color to black.

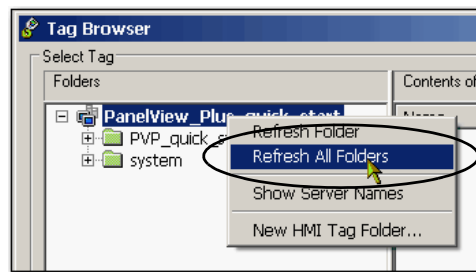


15. On the Connections tab, click ... under Tag.

The Tag Browser dialog box appears.



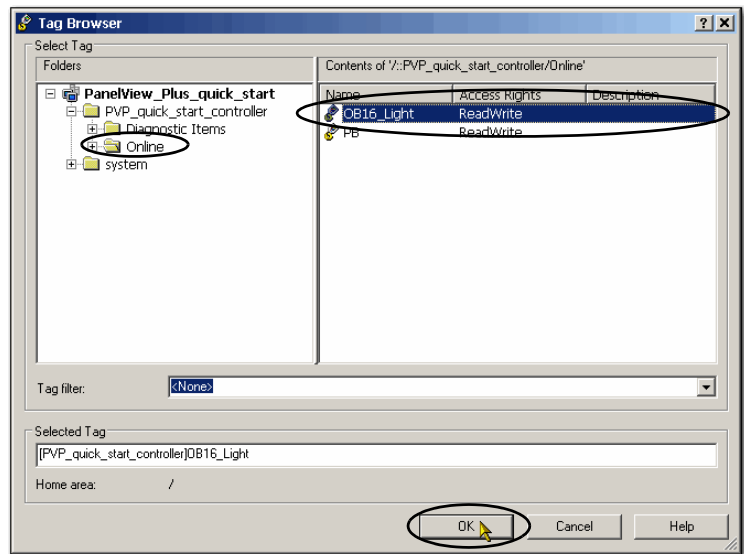
16. Right-click your project and select Refresh All Folders.



- Expand the controller shortcut and select the Online folder.

The tags created in your RSLogix 5000 project, as described on [page 21](#), appear to the right.

IMPORTANT If the tags in your RSLogix 5000 project do not appear, verify that they were created at the controller scope and not the Main Program scope in RSLogix 5000 software.

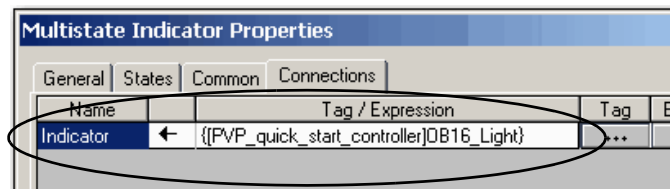


- Select the OB16_Light tag.

- Click OK.

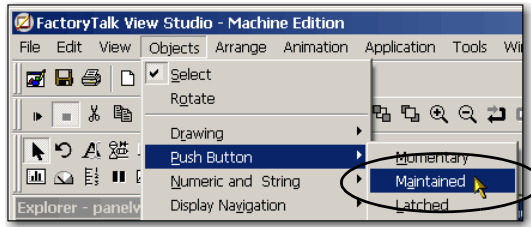
The Indicator tag is populated.

- Click OK.

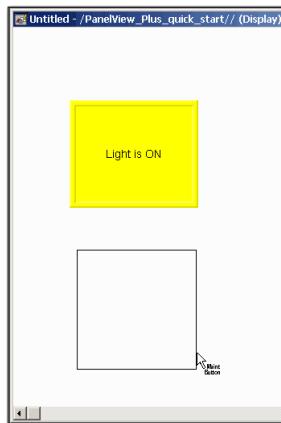


Create a Push Button

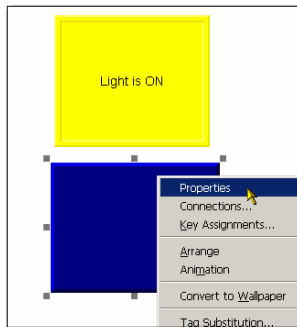
1. From the Objects menu, select Push Button > Maintained.



2. Click and drag to create the push button beneath the indicator.

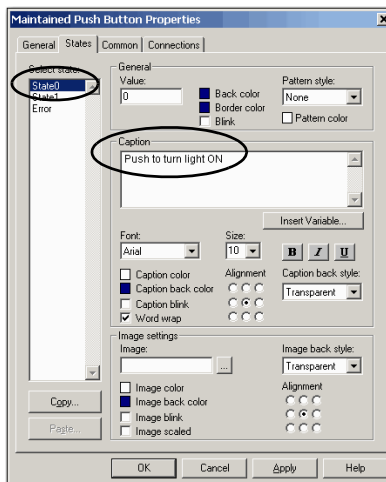


3. Right-click the push button you just created and select Properties.



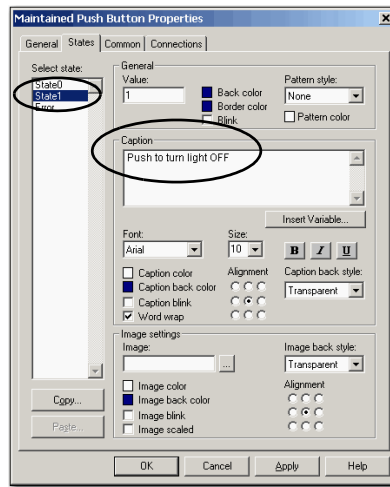
4. On the States tab, verify that State0 is selected.

5. In the Caption, type Push to turn light ON.



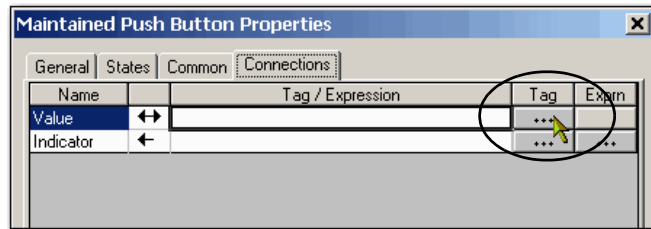
6. Select State1.

7. In the Caption, type Push to turn light OFF.



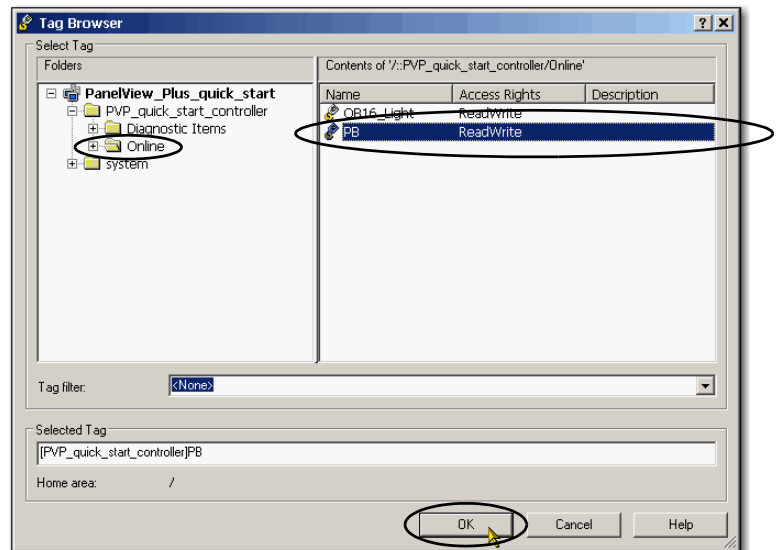
8. On the Connections tab, click ... under Tag in the Value row.

The Tag Browser dialog box appears.



9. Expand the controller shortcut and select the Online folder.

The tags created in your RSLogix 5000 project, as described on [page 21](#), appear to the right.

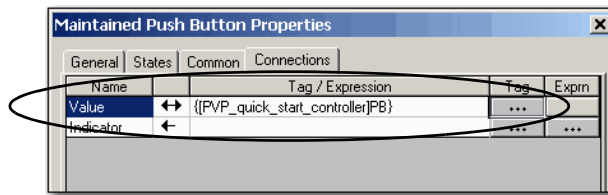


10. Select the PB tag.

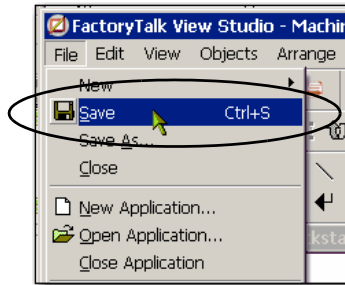
11. Click OK.

The Indicator tag is populated.

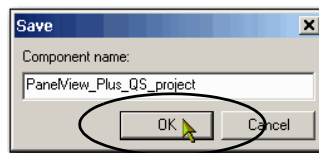
12. Click OK.



13. From the File menu, choose Save.

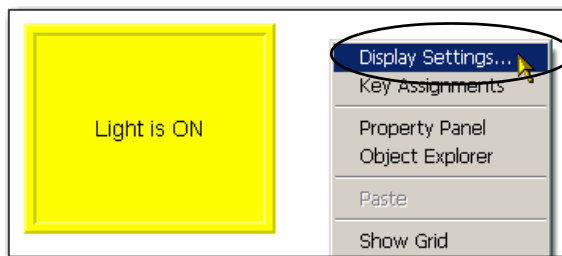


14. When prompted for a display title, type PanelView_Plus_project.

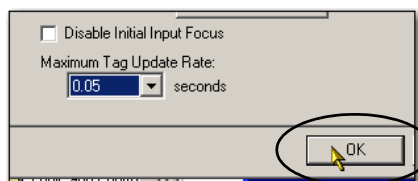


Test the Indicator and Push Button

1. Verify that the mode switch on your controller is moved to Run.
2. Right-click an unused area of the display and select Display Settings.
3. Change the Maximum Tag Update Rate to 0.05.

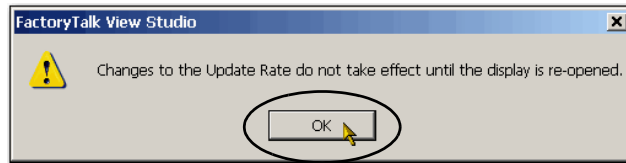


4. Click OK.



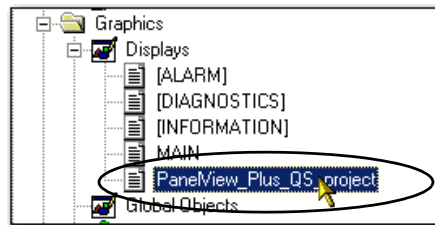
A message appears warning you that the Update Rate changes take effect only after the display is reopened.

5. Click OK.

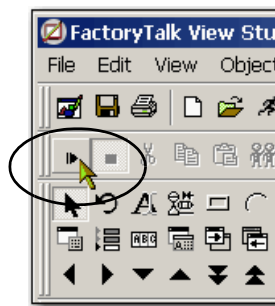


6. Save the display and close it.

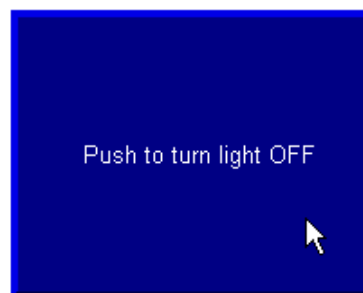
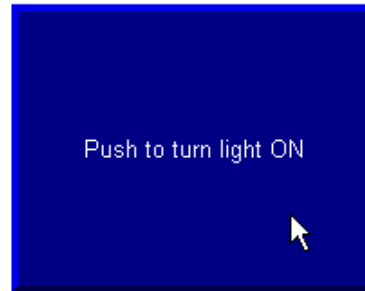
7. Double-click the display name, PanelView_Plus_project in this case, to reopen the display.



8. Click the Play button.



- 9. Click the push button to toggle the state and turn the light on and off.

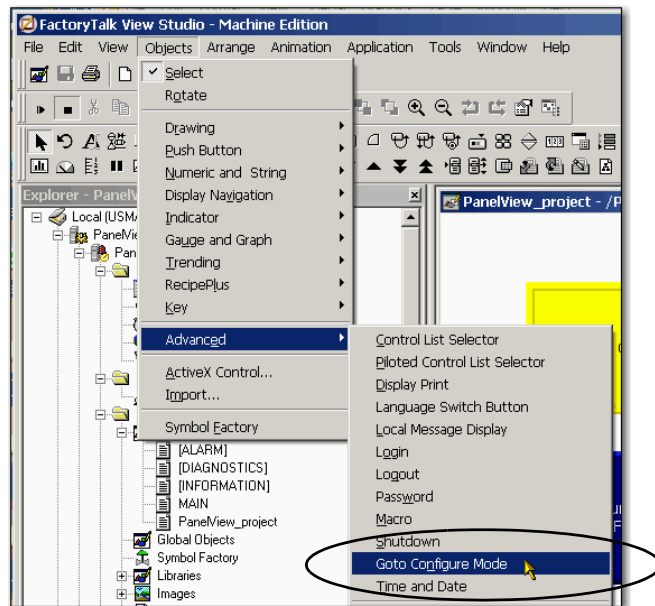


- 10. Click the Stop button.

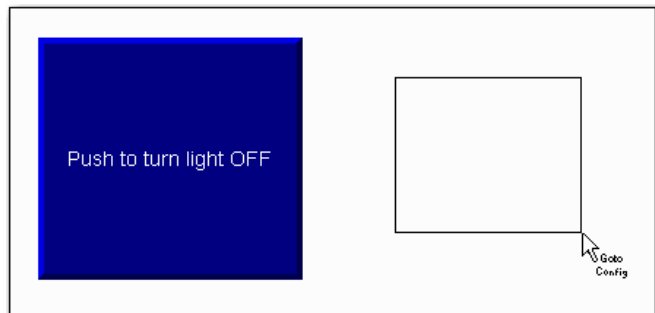


Add a Goto Configuration Mode Button

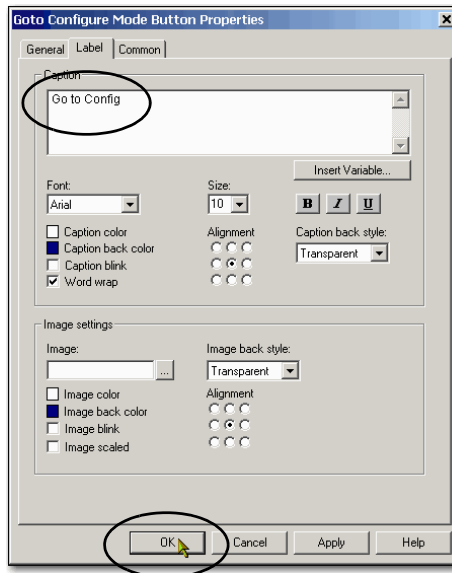
1. From the Objects menu, choose Advanced > Goto Configure Mode.



2. Click and drag to create the Goto button next to the push button.
3. Right-click the push button and select Properties.



4. On the Label tab, enter Goto Config for the caption.



5. Click OK.

The Goto Config button appears.

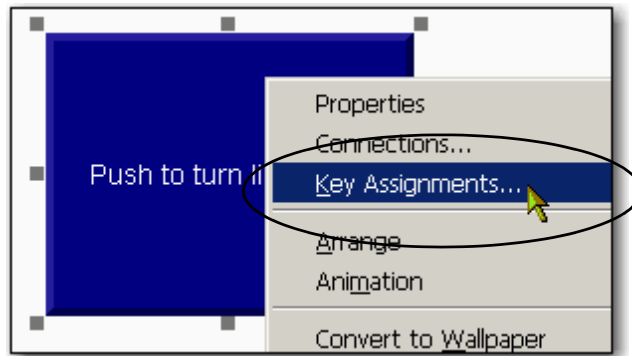


Assign Function Keys

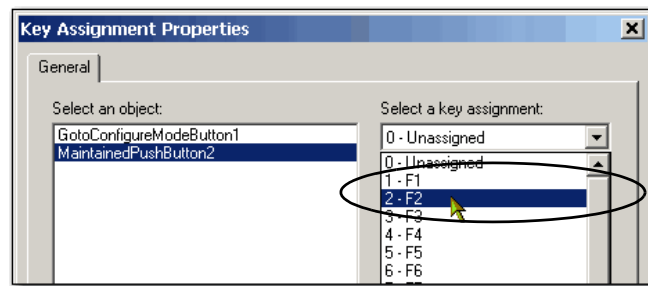
If your PanelView Plus does not have a touch screen, you must assign functions keys to the display buttons. This publication uses a PanelView Plus 1000, catalog number 2711P-K10C4D1. That terminal does not have a touch screen.

To assign function keys, complete these steps.

1. Right-click the push button and select Key Assignments.



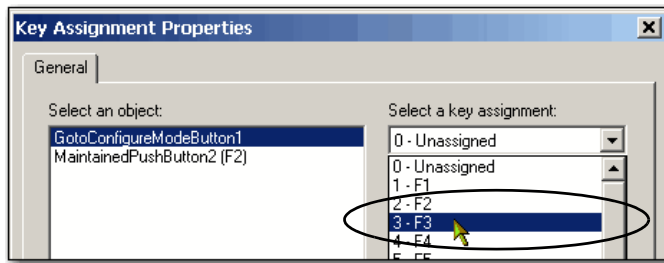
2. Under Select an object, verify that MaintainedPushButton is selected.
3. Select a function key and click Apply.



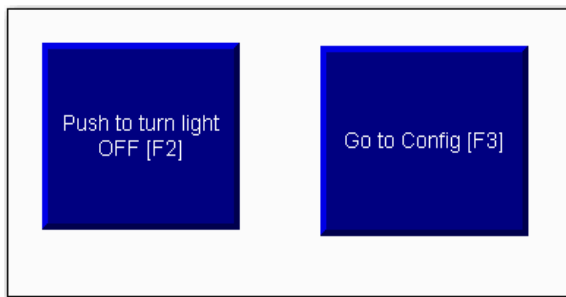
This example uses F2.

4. Under Select an object, select GotoConfigureMode.
5. Select a different function key and click Apply.

This example uses F3.

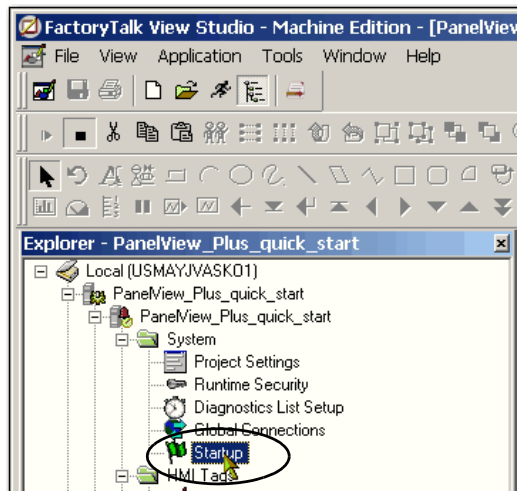


6. Click OK.
7. Access the button properties to add the function key names to them, including both states of the indicator.
8. Save your changes.

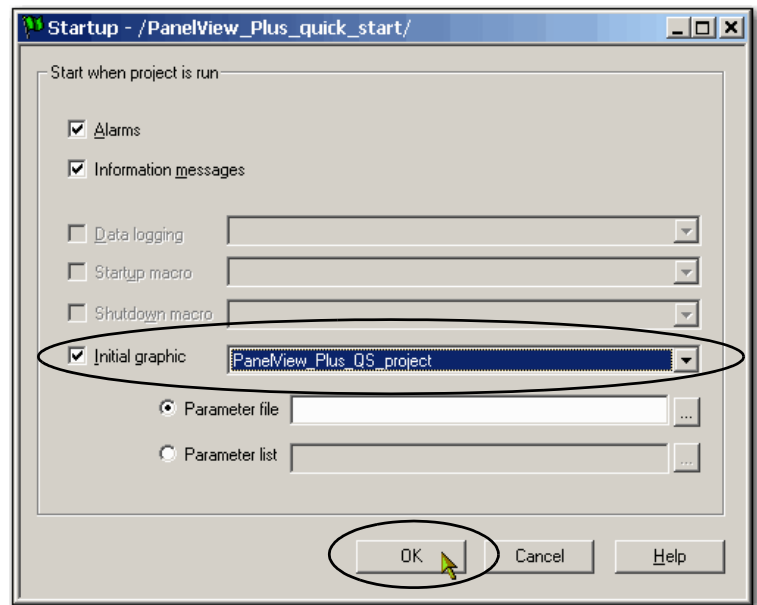


Assign an Initial Screen

1. Under System folder, double-click Startup.



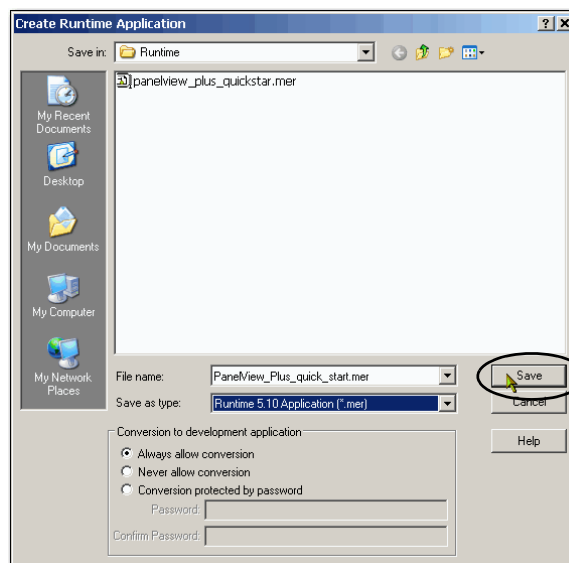
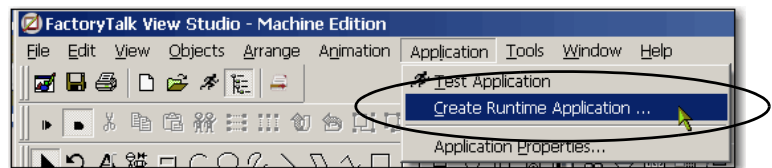
2. Check Initial graphic and select PanelView_Plus_project, or the initial display name if different, from the pull-down menu.
3. Click OK.
4. Save your changes.



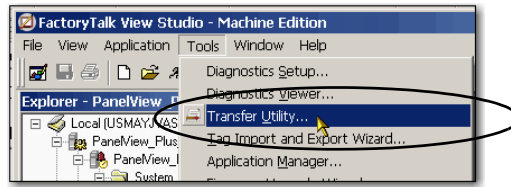
Transfer to PanelView Plus Terminal

1. From the Application menu, choose Create Runtime Application.
2. In Save as type, select the Runtime version that matches your PanelView Plus firmware.

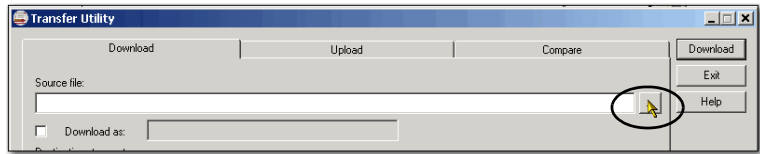
To check the PanelView Plus firmware revision, on the terminal select Terminal Setting [F4] > System Information > About FactoryTalk View ME Station
3. Click Save to accept the default file name.



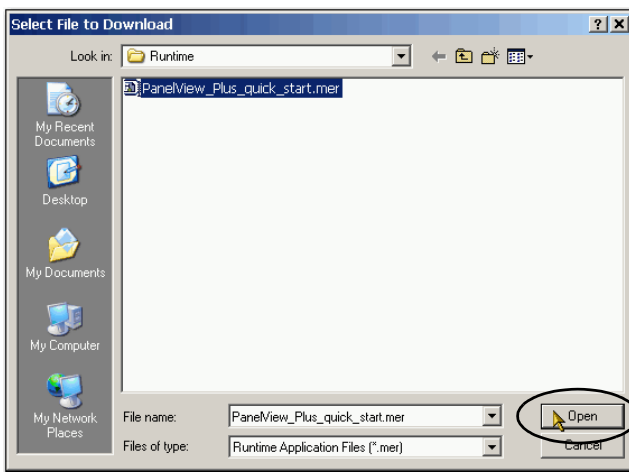
4. From the Tools menu, choose Transfer Utility.



5. Click the ... button.

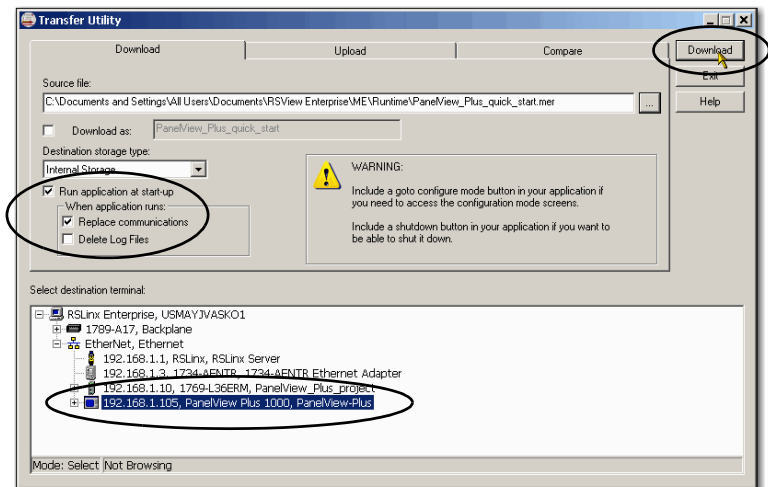


6. Select the .mer file you just created and click Open.



7. Verify the following:

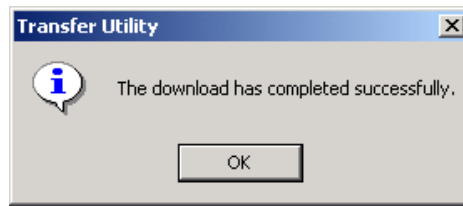
- Run application when download completes is checked
- Replace communications is checked
- Your PanelView Plus is selected for the destination terminal



8. Click Download.

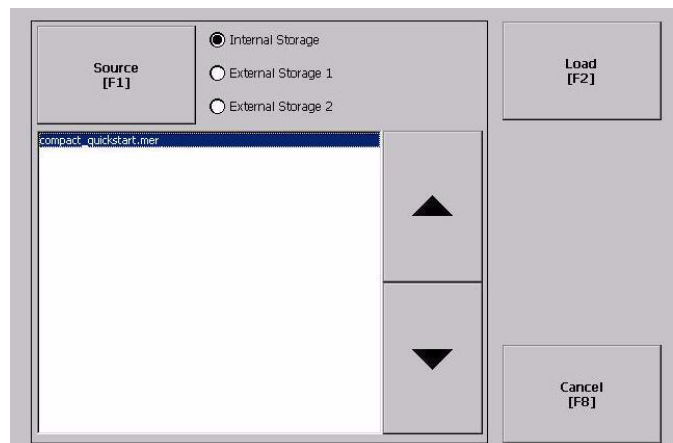
The download process may take a few minutes.

- When the Transfer Utility dialog box appears, click OK.
- Exit the Transfer Utility.



Test the Application on the PanelView Plus Terminal

- On the PanelView Plus terminal, press Load Application [F1].
- Select your .mer file and press Load [F2].



- Press Yes [F7].



- After the application loads, press Run Application [F2].



5. Press the push button and verify that the indicator turns on and that the light on the Compact digital output module turns on.
6. Press the push button again and verify that the indicator and light turn off.

Additional Resources

For a list of additional resources that might assist you when creating a PanelView Plus application, see [page 11](#).

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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://www.rockwellautomation.com/support/>, 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://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, review the information that is contained in this manual. You can contact Customer Support for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html , or contact your local Rockwell Automation representative.

New Product Satisfaction Return

Rockwell Automation 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 and needs to be returned, follow these procedures.

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

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete this form, publication [RA-DU002](#), available at <http://www.rockwellautomation.com/literature/>.

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