



# pcProx® Plus for Rockwell Automation

## Quick Start Guide for PanelView™ 5000 Portfolio of Graphic Terminals



**This document provides the following information:**

- I. Overview of pcProx® Plus
- II. How to Create Users
- III. How to Create Logon in a PanelView™ 5000 Application or Studio 5000 View Designer
- IV. Using pcProx Playback for Logon
- V. One-factor and two-factor authentication options
- VI. Optional Auto-Locking Presence Detector
- VII. Additional Resources

In PanelView™ 5000, it is recommended that the security provision which requires operators to logon with username and password be implemented. Using pcProx® Plus for Rockwell Automation connected to the PanelView terminal via the USB port, logon is simplified by using the existing employee ID badge. The employee then simply waves their ID badge at the reader which instantly initiates the logon process.

If you are configuring readers for multiple PanelView™ 5000 terminals with different applications, the process can be simplified by having a reader with the PV5K\_admin.hwg+ that is always used for development. All the other readers will have the PV5K\_runtime.hwg+ configuration to be connected to the PanelView terminals. If you require retaining the usernames and passwords, the pcProx® Playback can be used for reading user data from the memory of contactless smart cards.



**PanelView™ 5000  
Portfolio of Graphic  
Terminals**



**Desktop**

**Surface mount**

**RF IDEAS  
pcProx® Plus Readers**

## I. Overview of pcProx® Plus for PanelView™ 5000

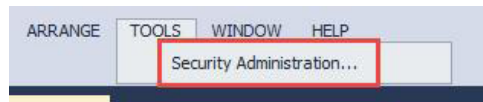
The pcProx Plus for Rockwell Automation readers are pre-configured to work with the Login prompt in a PanelView™ 5000 terminal as well as an enrollment device when creating users in Studio 5000®. PanelView 5000 is similar to PanelView Plus in that the pcProx Plus readers can keystroke the logon sequence. It is a different sequence of commands and keystrokes so the pcProx Plus readers will need to be reconfigured. A Configuration Template for creating a user (**PV5K\_admin.hwg+**) and for the Logon mode (**PV5K\_runtime.hwg+**) are available from the Rockwell Product Knowledge Base on the RF IDEas website.

If you are not currently using LogOn and/or LogOff on your PanelView 5000 application, refer to the Studio 5000 View Designer Help. View Designer security provides the ability to control access to the runtime application by securing the HMI Device, graphic elements, downloads to the HMI Device, and Individual screens, shortcuts and popups. Security is project-specific, not application-wide, and applies only to the user role runtime access. To access additional information, select **Help > Content** from the View Designer user interface. The security information can be found in the Help menu by navigating to: **Work with View Designer > Build a Project > Set up security**. Contact your RF IDEas Regional Sales Manager, Inside Sales or Technical Support.

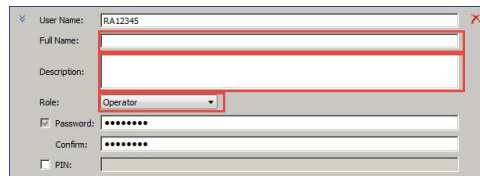
Be sure you have loaded the **PV5K\_admin.hwg+** configuration file onto the badge reader.

## II. How to Create Users

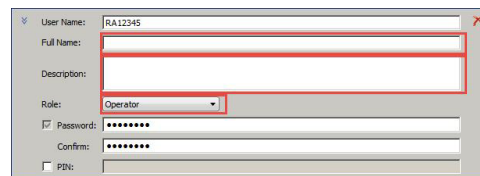
1. Connect the badge reader to the computer running the Studio 5000 View Designer editing software.
2. From the menu, select **Tools > Security Administration**



3. Click in the **User Name:** field to direct keyboard input to that field



4. Swipe the first user's badge.
5. The **User Name:**, **Password:** and **Confirm:** fields will be populated with the respective information read from the badge reader.
6. Update the remaining fields with desired information
  - a. **Full Name:** - fill in the badge holders name
  - b. **Role:** - select the security role to be used for this login on the terminal application

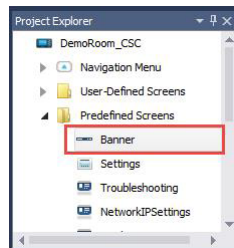


7. Direct focus to the next **User Name:** field and repeat steps 5 through 7 for each additional badge.

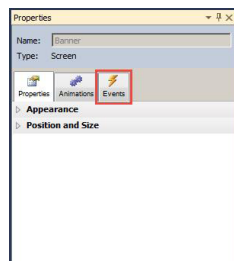


### III. How to Create Logon in a PanelView 5000 Application or Studio 5000 View Designer

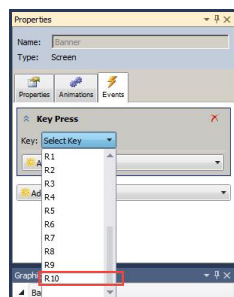
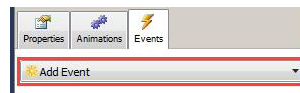
1. Open the PV5K Application in **Studio 5000 View Designer** that you wish to add badge reader functionality to.
2. In the project explorer, navigate to and open the **Predefined Screens > Banner** display



3. With focus given to the banner display in the editing pane, navigate to the **Events** tab in the Properties pane.

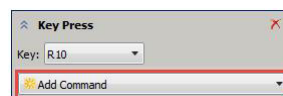


4. Select the **Add Event** dropdown
5. Select the **Key Press** option
6. Select **R10** from the **Key:** menu



**Note:** You can configure an action to occur when you touch or release a key on the HMI device. For example, you can create a Key Press event so that when you press L1 on the HMI device, a specific screen opens. If your HMI device does not have a physical keypad, you can use an external keyboard with your HMI device. The L1 through L10 keys listed when creating Key Press and Key Release events correspond with pressing Shift+F1 through Shift+F10 keys on an external keyboard. The R1 through R10 keys listed when creating Key Press and Key Release events correspond with pressing Ctrl+F1 through Ctrl+F10 on an external keyboard.

7. Click **Add Command**
8. Select the **Logon** command located under the **Security** heading
9. Save the project and download it to the PV5K Terminal



### Final Steps

1. Use the pcProx utility to write the **PV5K\_runtime.hwg+** configuration to the badge reader.
2. Connect the badge reader to the PanelView™ 5000 Terminal in a Production Environment.



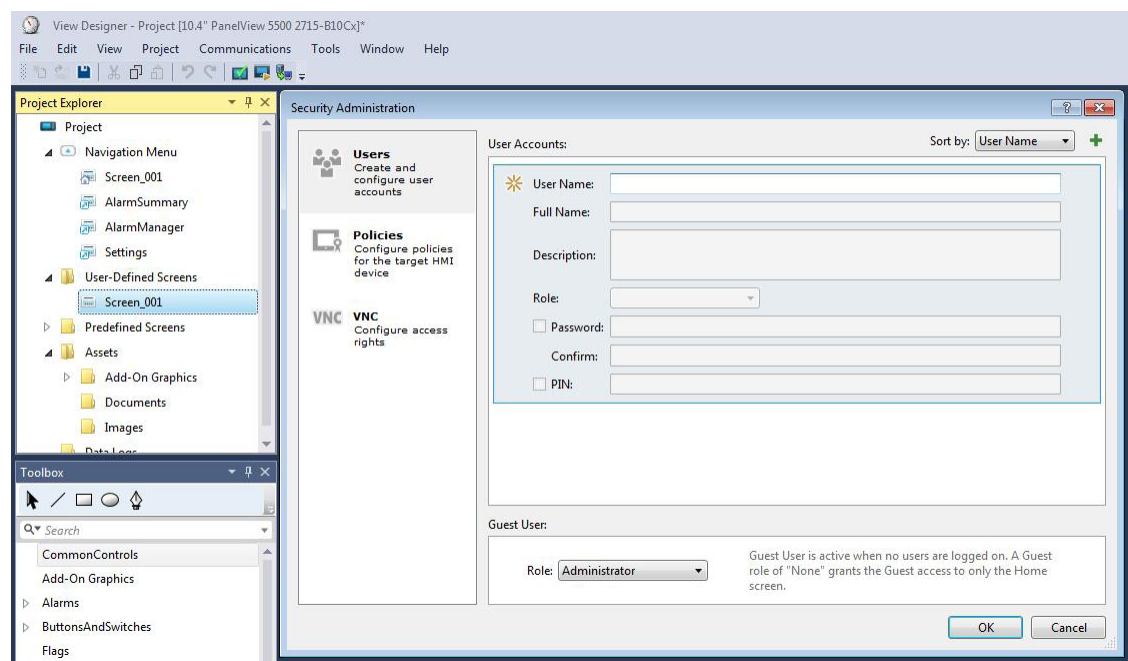
## IV. Using pcProx Playback for Logon

In order to use the pcProx Plus for Rockwell Automation readers, all usernames and passwords will have to be changed because each employee ID badge has unique data and cannot be programmed. If you require retaining the usernames and passwords, the pcProx® Playback can be used for reading user data from the memory of contactless smart cards. Contact your RF IDEas' Inside Sales or your Regional Sales Manager for more information.

If you are not using LogOn and/or LogOff on your PanelView 5000 application, refer to Rockwell Automation documentation for creating User Log on and User Profiles. For additional assistance, contact your Rockwell representative or electrical distributor.

## V. One-Factor and Two-Factor authentication options

The above description offers a very convenient interface for replacing manual typing of username and password. It makes user adoption easier and prevents abuse of sharing. This is a one-factor authentication because the user is logging on with only a single identification (their employee ID badge). It is relatively easy to set up for two-factor authentication where the user would also type in the password. The prepared .hwg files would not apply. For creating new users, enter the user name (badge ID number that you can get by scanning the badge into Notepad). Optionally, check the box 'User cannot change password' and/or 'Password never expires'. Finally, have the user choose and type in a password and then confirm that password.



For LogOn mode, again the prepared .hwg file would not be correct. All that needs to change is to remove the data that was the password and remove the final Enter command. Write the settings to the pcProx Plus and now the reader will just open the Logon box, keystroke the username field, Tab into the password field and wait for the user to type in their password (second factor of identification) and hit Enter.

## VI. Optional Auto-Locking Presence Detector

For additional security, users often add the auto-locking presence detector which easily attaches via the USB port and emulates a keyboard device without requiring additional software or user action. When a user steps away from the monitor or computer, the product automatically locks it. The RF IDEas presence detectors are available in two different form factors: pcProx Sonar and pcProx Mat. These devices can be configured for Auto LogOff of PanelView 5000. For additional information contact your local electrical distributor, RF IDEas Inside Sales or your North America Regional Sales Manager.



## VII. Additional Resources

For assistance, contact **RF IDEas Technical Support** at 866-439-4884 and **press 4** or via email to [techsupport@rfideas.com](mailto:techsupport@rfideas.com).

For additional resources, refer to the **RF IDEas Rockwell® Product Knowledge Base** <https://www.rfideas.com/industry/rockwell>.

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