

# PC-ControLAB™ 3

## SPECIAL INSTALLATION INSTRUCTIONS

### STAND-ALONE KEY PROTECTED VERSION

(Revised Nov. 1, 2002 / March 3, 2003/ Dec 10, 2004/ Sept. 29, 2006)

**NOTICE:** This program is protected by international copyrights and by the hardware key enclosed. The key must be installed on a parallel printer port of the computer in order for the program to run. The hardware key must remain attached to the parallel printer port in order for the program to continue operation.

### SYSTEM REQUIREMENTS:

Windows 95 / 98 / ME / NT (with Service Pack 4 installed) / 2000 / XP

## 1. INSTALL PC-ControLAB

- Insert the CD into your CD-ROM drive.
- From the Windows START menu, RUN D:\setup.exe. (If your CD-ROM drive is not D, use the appropriate designation.)
- Follow the on-screen instructions:
  - Enter the serial number from the back of the CD case.
  - During the installation procedure, you will be asked for a destination folder. By default, the destination folder is

C:\Program Files\PC-ControLAB 3.

You may change the destination folder if you wish.

- At one point you will be asked if you want a Complete or a Custom installation. The difference between these two is that the Complete installation loads the Laboratory Exercises onto your hard drive, whereas the Custom installation does not. These will require about 1.6 mB on your hard drive. If you choose not to install them, you can access them directly from the CD.
- Access to the Laboratory Exercises requires Adobe Acrobat Reader. If the installation program does not detect a copy on your computer, it will install a copy. Alternatively, a free version may be downloaded from [www.adobe.com](http://www.adobe.com).

## 2. INSTALL the Sentinel SuperPro Drivers

- With the CD still in the CD-ROM drive, from the Windows START menu, RUN

D:\Sentinel\Driver\Setup.exe.

Use the appropriate drive designation if your CD-ROM is not D. An easy way to access this program is by use of the Browse button.

- At the Setup Type window, you will be asked whether you want a Complete or Custom setup. Choose "Custom" then click Next.
- At the next window, be sure "Parallel System Driver" is highlighted, then click Next.
- Click on Install then Finish. The Sentinel SuperPro Drivers will be installed automatically.

## 3. INSTALL the Sentinel Server and provide for its automatic startup.

- **Windows 95 / 98 / ME Users**
  - In My Computer or Windows Explorer, navigate to

## C:\Program Files\PC-ControLAB 3

(Use the appropriate designation if you did not install the program to the default location.)

- Locate and click on *spnsvr9x.exe*. This will start the server, although you will see no visual confirmation of it. To verify that the server is running, go through:

START > PROGRAMS > ACCESSORIES > SYSTEM TOOLS > SYSTEM INFORMATION

In the dialog box that appears, click on **Software Environment**. Then, under **Running Tasks**, look for *spnsvr9x.exe*.

- **Windows NT /2000 / XP Users**

- With the CD still in the drive, navigate to D:\Sentinel\Server
- Open the “Server” folder.
- Double-click on *loadserve.exe* to run the file.
- In the dialog box which appears, confirm that the path in **Executable Path** refers to

D:\Sentinel\Server\winnt\spnsvnt.exe.

- OPTIONAL: Click **Configure** to set the path for the server log file. (The server checks for the log file location when it starts up. If no path for a log file is set, logging will not occur.)
- Click **Install Service** to install the server. (The server is an NT service that will start automatically whenever your system is booted up.)

### To verify that the server is running

#### Windows NT Users

Go through START > SETTINGS > CONTROL PANEL

Double-click on the **Services** icon.

In the dialog box, the SuperPro Server should be listed with a status of “Started”

#### Windows 2000 Users

Go through

START > SETTINGS > CONTROL PANEL > ADMINISTRATIVE TOOLS

Double-click on the **Services** icon.

In the dialog box, the SuperProServer should be listed with a status of “Started”

#### Windows XP Users

Go through

MY COMPUTER > C:\ > DOCUMENTS & SETTINGS > ALL USERS >  
START MENU > PROGRAMS > ADMINISTRATIVE TOOLS

Double-click on the **Services** icon.

In the dialog box, the SuperPro Server should be listed with a status of “Started”

## 4. INSTALL the Sentinel SuperPro Key

### If you have been furnished a parallel port key:

- The computer should be off when installing the key. The use of grounding wrist straps is recommended.
- Attach the connection labeled **COMPUTER** to the printer port. A printer cable can be attached to the other end of the key. If hardware keys for other applications are also attached to the printer port, the Sentinel SuperPro key (furnished with this program) should be the farthest from the computer.

### If you have been furnished a USB key, insert the key at any USB port.

You can now run **PC-ControLAB 3**. If you remove the key while the program is in operation, the program will stop. You will have to reinstall the key and restart the program.

## 5. UPDATING a Sentinel SuperPro Key furnished for use with PC-ControlLAB 2.

If you are upgrading from **PC-ControlLAB 2** to **PC-ControlLAB 3**, you must update the hardware key furnished with PC-ControlLAB 2, in order for the key to be compatible with PC-ControlLAB 3. (The key will continue to be compatible with PC-ControlLAB 2.)

To update the key, you must provide information about the key to Wade Associates, Inc. (the software developer). Wade Associates, Inc. will then provide you with information which will allow you to update the key. If you have multiple keys, each key must be updated separately. The information you obtain from a key, and the information returned by Wade Associates, Inc. will apply only to a specific key; therefore we recommend that you designate this information by the serial number found on the side of the key.

### • OBTAINING INFORMATION FROM THE KEY

- + Be sure that the Sentinel SuperPro Server is installed and running. See Section 3.
- + With the **PC-ControlLAB 3** CD in your CD-ROM drive, navigate to

D:\Sentinel\FieldExUtil

- + Open the FieldExUtil folder and double-click on *FieldExUtil.exe*
- + In the Field Exchange Utility display which appears, click on **Get Locking Code**.
- + The Field Exchange Utility displays information about your key, in the following form:

EHBFGYARDIJABRFLEBDH

Transmit this information, *along with the key serial number*, to Wade Associates, Inc., by:

e-mail:	controlab@wadeco.com	or	controlab@aol.com
FAX:	1-281-256-3442		
Telephone:	1-281-304-9502		
Mail:	Wade Associates, Inc.		
	17522 Brushy River Court		
	Houston, TX 77095		
	USA		

Be sure to include the preferred communication method for returning information to you.

Wade Associates, Inc. will then generate a return code which you will enter to update your key.

### • UPDATING THE KEY WITH THE RETURNED CODE

- + Be sure that the Sentinel SuperPro Server is installed and running. See Section 3.
- + Be sure the serial number of the key installed on your machine matches the serial number for which the codes were exchanged.
- + With the **PC-ControlLAB 3** CD in your CD-ROM drive, navigate to

D:\Sentinel\FieldExUtil

- + Open the FieldExUtil folder and double-click on *FieldExUtil.exe*
- + In the Field Exchange Utility display which appears, click in the entry box above the label **UPDATE LICENSE**. Then enter the returned code.
- + Click on **UPDATE LICENSE**. You will receive a message confirming that the update was successful.

The key should now be compatible with both **PC-ControlLAB 2** and **PC-ControlLAB 3**.

## 6. ELIMINATION OF START UP MESSAGE

On computer startup, you MAY get a message “Unable to access Sentinel SuperPro Driver. Exiting.” You can click OK and ignore this message, since the driver is not actually needed until you start PC-ControlLAB. You can, however eliminate this message by the following procedure:

- Go to Device Manager. (In Windows XP, right click on My Computer, then select “Properties”. In the “System Properties” dialog box which appears, select the Hardware tab, then click on Device Manager.)
- In Device Manager, pull down the “View” menu and select “Show hidden devices.”
- Select “Non-Plug and Play Drivers” the list.
- From the next list, right click on “Sentinel” and access its Properties.
- In the “Sentinel Properties” box, select the “Driver” tab.
- You will see “Startup Type”. The default is “automatic”. Change that to “boot”.
- Close all open dialog boxes.

## 7. OPERATING SYSTEM UPGRADE

If you upgrade your operating system, say from Windows 9X or Windows ME to Windows XP Pro, your system may not be able to find the Sentinel SuperPro key, even though it was successful under the old operating system. In this case:

- Navigate to D:\ Sentinel \ OS Upgrade Utility \ cleanregSSP.bat. Highlight this file and click OPEN, then OK to run.
- Ignore messages, but answer YES to the question “Are you sure you want to add the information in winntssd.reg to the registry?”
- Again, navigate to D:\ Sentinel \ OS Upgrade Utility \ setupx86.exe. Highlight this file and click OPEN, then OK to run.
- You will see a mostly blank window with the word “Functions” on the menu bar. Click on “Functions” then “Remove Sentinel Driver”. Click OK, OK.
- Reboot your system.
- Now follow Section 2 of this document to INSTALL the Sentinel SuperPro Driver.

Instructions for updating to Windows Vista, when it is released, have not yet been developed. Please contact Wade Associates, Inc. ([controlab@wadeco.com](mailto:controlab@wadeco.com)) if you upgrade to Windows Vista.