



## PSS 4000 Diag Control classic V1.16.0

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SD means Secure Digital

## General

This document contains important information, which must be noted. This document also contains details of the changes made in the software tool from one version to the next.

## System requirements

The software tool can be installed on a PMI 5 (not PMI v5) or PC. The following system requirements apply for the PC:

Operating system:	32 or 64 Bit version of Windows 7 and 8
Processor:	Pentium 4, 2 GHz (Dual Core) or desktop equivalent: Pentium 4, 2.4 GHz
RAM:	Min. 2 GB
Available hard drive space:	Approx. 1 GB
Graphics card:	Min. 1024 x 768 pixel resolution, 65536 colours
Interfaces:	Ethernet interface
To run the PSS 4000 Diag Control:	ActiveX-enabled container such as Windows Internet Explorer or an ActiveX-enabled visualisation software; (64 Bit versions of ActiveX-enabled containers in visualisation software tools are not supported)
To view the documentation:	Adobe Acrobat Reader, from Version 7.1.0

## Languages

This version is available in the following languages:

- ▶ German
- ▶ English

## Important information

### Compatibility

		PSS 4000 firmware version			
		1.1.x	1.2.x	1.3.x	1.4.x ... 1.16.x
<b>PSS 4000 Diag Control classic version</b>	1.1.x	◆	◆	◆	◆
	1.4.x	◆	◆	◆	◆
	...				
	1.16.x				

The PSS 4000 Diag Control classic receives data from the PSS 4000 OPC Server classic. The PSS 4000 OPC Server classic is a system section of the PSS 4000 firmware. As a result, only versions of the PSS 4000 Diag Control classic and PSS 4000 firmware that are compatible can be used simultaneously.

Versions marked with a diamond symbol (◆) are compatible.

**html file for Windows Internet Explorer**

Use the latest html file when upgrading to a new version of the PSS 4000 Diag Control.

## Modifications in Version 1.16.0

### New function

The following information is now also displayed in the information window, on the *Integrity* tab:

- ▶ Online check sum "Application parameters of the FS project"
- ▶ Online check sum "FS project without application parameters"

## Changes in Version 1.15.0

Modifications have no effect on the function

## Changes in Version 1.14.0

### Optimisations

- ▶ Storage location of the html files on the PC  
The html files are now stored in the directory "C:\ProgramData\Pilz\PSS4000\_Diag\_Control". As a result, administrator rights are no longer required to edit the files.  
(29683)
- ▶ Installer for PC has been enhanced
  - When a new version of the PSS 4000 Diag Control is installed, the older version is now removed automatically.  
(29679)
  - When it is uninstalled, the PSS 4000 Diag Control entry in the Windows Start menu is also removed.  
(29678)
  - If changes have been made to the html file, these are now retained when a new version of the PSS 4000 Diag Control is installed.  
(29680)
  - If the Microsoft .NET Framework Version 4.5.1 is not available and cannot be installed, installation of the PSS 4000 Diag Controls is now aborted. It is no longer the case that the PSS 4000 Diag Control can be installed but then does not start because the Microsoft .NET Framework is missing.  
(29684)
- ▶ Column to display the serial number  
In "Split window" display mode, the "Serial number" column is now displayed in an appropriate width in the information window.  
(29652)

## Changes in Version 1.13.0

### Optimisations

- ▶ Messages about the connection status  
If a connection has been established between the PSS 4000 Diag Control and the OPC Server or the connection is interrupted, the correct messages are now displayed.

## Changes in Version 1.12.0

Modifications have no effect on the function

## Changes in Version 1.11.2

Modifications have no effect on the function

## Changes in Version 1.11.0

### New function

In the information window, the following information will now be displayed under the **Devices** tab for each device in the project:

- ▶ Device name
- ▶ Product type
- ▶ Firmware version
- ▶ Hardware version
- ▶ Serial number

## Changes in Version 1.10.0

Modifications have no effect on the function

## Changes in Version 1.9.1

As Microsoft will no longer be supporting Windows XP, Pilz will no longer be providing support for the PSS 4000 Diag Control under Windows XP.

The PSS 4000 Diag Control will also no longer be available for the PMI 4 Series.

## Changes in Version 1.8.0

### Optimisations

- ▶ 64 Bit versions of Windows  
If the PSS 4000 Diag Control is installed on a 64 Bit version of Windows, all texts are now displayed on the interface of the PSS 4000 Diag Control (e.g. button labels).  
(21836)

- ▶ "Split window" display type on PMI 5  
The "Split window" display type now works correctly on PMI 5.  
(22678)
- ▶ Column width on "Split window" display type  
If the column width is changed during operation in the "Split window" display type, the setting is now retained when switching between views. The configured column widths will be displayed again after the PSS 4000 Diag Control is restarted.  
(22811)
- ▶ Default settings on "Split window" display type  
The "Default settings" button now works correctly when the "Split window" display type is configured.  
(22885)
- ▶ Parameter list  
In rare cases, when the "Param" button was pressed the display did not show the parameter list belonging to the diagnostic message. This fault has now been rectified.  
(23035)

## Changes in Version 1.7.0

### Optimisations

- ▶ VB.net MDI applications  
It is now possible to incorporate the PSS 4000 Diag Control in VB.net MDI applications. To do this the PSS4000 Diag Control must be embedded in a Panel control, see <http://support.microsoft.com/kb/814736/en-us>, under "WORKAROUND".  
(20100, 21667)
- ▶ Time stamps  
In rare cases, time stamps in the diagnostic list and diagnostic log were not displayed in full. This fault has now been rectified.  
(20413)
- ▶ Starting the PSS 4000 Diag Control  
If the data on the OPC Server could not be read after starting the PSS 4000 Diag Control, previously no project name was ever displayed and "No messages" appeared in the diagnostic list. Now, several attempts are made to read the data. Once it has been read successfully, the display is updated.  
(21783)

## Changes in Version 1.6.0

### Optimisations

- ▶ Installation on PC  
The PSS 4000 Diag Control can now also access the OPC Server when the PSS 4000 Diag Control is installed on a different PC to that of the OPC Server.  
(19100)

- ▶ Switch to diagnostic list view  
If the connection to the OPC Server is interrupted while the diagnostic log is displayed, the display no longer switches unintentionally to the diagnostic list view or crashes when the connection is restored.  
(19476)
- ▶ Displaying the parameter lists in the diagnostic list  
The parameter lists for the messages in the diagnostic list are now displayed correctly even when "Single window" is selected in the configuration and "Optimize for QVGA" is disabled.  
(19580)
- ▶ Displaying the parameter lists in the diagnostic log  
The parameter lists for the entries in the diagnostic log are now displayed correctly even when "Single window" is selected in the configuration and "Optimize for QVGA" is enabled.  
(19590)

## Changes in Version 1.5.1

### Optimisations

- ▶ Display of remedial actions in the diagnostic list  
When the remedial actions for a diagnostic message were displayed, and the state of a higher priority diagnostic message changed (diagnostic message was activated or de-activated), the display switched to the actions of a different diagnostic message. This fault has now been rectified.  
(18836)

## Changes in Version 1.4.2

### Optimisations

- ▶ html file for Windows Internet Explorer  
The html file has been changed so that the "Device" location information is repeated in the diagnostic list, diagnostic log and remedial actions.  
(13734, 14977)
- ▶ Navigating in the diagnostic log  
It is now possible to navigate to the 1001st log entry without crashing the PSS 4000 Diag Control.  
(14878)
- ▶ Context menu of the PSS 4000 Diag Control in design mode  
The context menu of the PSS 4000 Diag Control is now displayed correctly in design mode.  
(14611)
- ▶ Communication with PSS 4000 OPC Server  
When communication between the PSS 4000 Diag Control and PSS 4000 OPC Server is lost, the connection is re-established automatically.  
(14629, 14656)



# ► Support

Technical support is available from Pilz round the clock.

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