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SIMATIC

PCS 7 Process Control System PCS 7 Advanced Process Faceplates Readme V9.1 SP2 Update 3 (online)

Readme

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V9.1 SP2 Update 3
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Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

⚠ DANGER

indicates that death or severe personal injury **will** result if proper precautions are not taken.

⚠ WARNING

indicates that death or severe personal injury **may** result if proper precautions are not taken.

⚠ CAUTION

indicates that minor personal injury can result if proper precautions are not taken.

NOTICE

indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

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We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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Cybersecurity information

1

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial cybersecurity measures that may be implemented, please visit
https://www.siemens.com/cybersecurity-industry.

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under
https://new.siemens.com/cert.

Industrial Security

2

This product is a part of SIMATIC PCS 7 and integrated into the overall plant security concept. Siemens strongly recommends setting up, operating, maintaining, and decommissioning the plant environment according to the SIMATIC PCS 7 Compendium Part F – Industrial Security: Technical documentation SIMATIC PCS 7 (https://support.industry.siemens.com/cs/ww/en/view/109801081).

Overview

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Note

Read these notes carefully; they contain important information and additions regarding PCS 7 Advanced Process Faceplates.

The information given in this Readme file takes precedence over all the PCS 7 manuals.

4 Notes on installation

4.1 Scope of delivery

You have received the following software package with this delivery:

- PCS 7 Advanced Process Faceplates V9.1 SP2

It contains the block icons and faceplates of the PCS 7 Advanced Process Library.

4.2 Hardware requirements

The installation is subject to the conditions of SIMATIC PCS 7 V9.1 SP2.

4.3 Software requirements

The block icons and faceplates of the PCS 7 Advanced Process Faceplates require at least SIMATIC PCS 7 V9.1SP2.

4.4 Installation of PCS 7 Advanced Process Faceplates

Exit all applications before you start setup.

You install the PCS 7 Advanced Process Faceplates using the PCS 7 master setup or by starting the Setup.exe program of the PCS 7 Advanced Process Faceplates.

You will receive additional information during the installation process.

The files are copied to the same drive on which the PCS 7 OS is installed.

Installation requires about 450 MB of free memory on the hard disk.

To transfer the faceplates and block icons to your OS project, you need to run the OS Project Editor in the WinCC Explorer.

4.5 Uninstallation

Note

Uninstallation of the PCS 7 Advanced Process Faceplates via the product setup is not supported. Further, it is not allowed to uninstall using operating system mechanisms.

New features and changes as compared to previous versions

5

5.1 Version 9.1

5.1.1 What's New in Version 9.1?

- The template and typical pictures of the **block icons** were renamed @TemplateAPLV9.PDL and @PCS7TypicalsAPLV9.PDL. The old template and typical pictures @TemplateAPLV7.PDL and @PCS7TypicalsAPLV7.PDL of version 7 are no longer supplied.
- The faceplates and block icons of the **Condition Monitoring Library** (**CML**) were integrated into the APL. The F-blocks for the fail-safe valve start test application (`F_PST` and `S_PST_S`) are **not** included. These are available as free download at the address **<link will be specified later>**.
  The following faceplates have been added: `@PG_PumpMon..PDL`, `@PG_SteadyState..PDL`, `@PG_VlvMon..PDL`, `@PG_VlvMon..PDL`, `@PG_PrDrpMon..PDL`, `@PG_PumpMon..PDL`, `@PG_PST..PDL`
  The following block icons have been added to `@PCS7TypicalsAPLV9.PDL`, `@TemplateAPLV9.PDL : PumpMon1, PumpMon2, SteadyState1, SteadyState2, VlvMon/1, PrDrpMon/1, PrDrpMon/2, PST1, PST2`
- Internal block error states that are output as error number to `ErrorNum`, are now also displayed in the **standard view**.
  The following have been modified:
  `@PG_SteadyState_STANDARD.pdl, @PG_ShrdResL_Standard.PDL, @PG_ShrdResS_Standard.PDL, @PG_MotL_Standard.PDL, @PG_MotS_Standard.PDL, @PG_MotSpdL_Standard.PDL, @PG_MotRevL_Standard.PDL, @PG_MotSpdCL_Standard.PDL, @PG_VlvL_Standard.PDL, @PG_VlvS_Standard.PDL, @PG_Vlv2WayL_Standard.PDL, @PG_VlvAnl_Standard.PDL, @PG_VlvMotL_Standard.PDL, @PG_VlvPosL_Standard.PDL, @PG_Intlk02_Standard.PDL, @PG_Intlk04_Standard.PDL, @PG_Intlk08_Standard.PDL, @PG_Intlk16_Standard.PDL, @PG_MonAnl_Standard.PDL, @PG_MonAns_Standard.PDL, @PG_MonDiL_Standard.PDL, @PG_MonDi08_Standard.PDL, @PG_OpDi03_Standard.PDL, @PG_OpAnl_Standard.PDL, @PG_OpAns_Standard.PDL, @PG_OpDi01_Standard.PDL, @PG_PIDConL_Standard.PDL, @PG_PIDConR_Standard.PDL, @PG_PIDConS_Standard.PDL, @PG_PIDStepL_Standard.PDL, @PG_FmCount_Standard.PDL, @PG_FmTemp_Standard.PDL, @PG_ModPreCon_Standard.PDL, @PG_ConPerMon_Standard.PDL, @PG_Ratio_Standard.PDL, @PG_MPC10x10_Standard.PDL, @PG_KalFilt_Standard.PDL, @PG_CountScL_Standard.PDL, @PG_CntOhSc_Standard.PDL, @PG_CountOh_Standard.PDL, @PG_TotalL_Standard.PDL, @PG_DoseL_Standard.PDL, @PG_SelA16In_Standard.PDL, @PG_SelAn16L_Standard.PDL, @PG_TimeTrig_Standard.PDL, @PG_PST_Standard.PDL`

- Extension of the **operation messages** by the station name. The station name precedes the user name. To this end, the **global script** APL_OperationLog.fct has been modified.
- The blocks MonAnL, MotSpdCL support an **additional device-specific view (AddOn view)** in their faceplates. To this end, the global scripts APL_OpenNewView, APL_ChangeView, APL_UpdateScreenCompositionInfo, APL_GetAlarmFilterString, APL_ConfigureFaceplate have been extended.
- The blocks PIDConL, PIDConR, PIDStepL were extended by the **"Show auxiliary values"** function. Two analog auxiliary values UserAna1, UserAna2 can be displayed along with their units UA1unit, UA2unit in the **standard view**. To this end, @PG_PIDConL_Standard.PDL, @PG_PIDConR_Standard.PDL, @PG_PIDStepL_Standard.PDL were modified.
- The process input signals can now also be evaluated inverted at the blocks MonDiL, MonDiS, MonDi08. This can be configured at the newly added inputs InvIn, InvIn1..8. The standard views of the blocks @PG_MonDiL_Standard.PDL, @PG_MonDiS_Standard.PDL, @PG_MonDi08_Standard.PDL have been modified.
- The block MotSpdCL was extended by the **direction-dependent interlock**. The **standard view** @PG_MotSpdCL_Standard.PDL and the **preview** @PG_MotSpdCL_Preview.PDL have been modified.
- The block **TimeTrig** has been extended by the following functions:
  - External time set
  - Support of the local time
  - Periodic output of a minutes trigger

  To this end, **the standard view** @PG_TimeTrig_Standard.PDL and the **preview** @PG_TimeTrig_Preview.PDL have been modified.
- The **background display** of the limit icons for Alarm, Warning and Tolerance, for example, have been improved in the **block icons**. To this end, @PCS7TypicalsAPLV9.PDL and @TemplateAPLV9.PDL have been modified.
- The **bar graphs** in the faceplates have been given scaling values.
  To this end, the following views have been modified: @PG_CntOhSc_Standard.PDL, @PG_ConPerMon_Standard.PDL, @PG_CountOh_Standard.PDL, @PG_CountScL _Standard.PDL, @PG_DoseL_Standard.PDL, @PG_DoseL_Setpoint_Flow.PDL, @PG_FmCont_Standard.PDL, @PG_FmTemp_Standard.PDL, @PG_MonAnL_Standard.PDL, @PG_MonAnS_Standard.PDL, @PG_MotL_Limit.PDL, @PG_MotRevL_Limit.PDL, @PG_MotSpdCL_Standard.PDL, @PG_MotSpdCL _Limit.PDL, @PG_MotSpdL _Limit.PDL, @PG_OpAnL_Standard.PDL, @PG_OpAnS _Standard.PDL, @PG_PIDConL_Standard.PDL, @PG_PIDConR_Standard.PDL, @PG_PIDConS_Standard.PDL, @PG_PIDStepL_Standard.PDL, @PG_Ratio_Standard.PDL@PG_TotalL_Standard.PDL, @PG_TimeTrig_Standard.PDL, @PG_VlvAnL_Standard.PDL, @PG_VlvMotL_Limit.PDL, @PG_VlvPosL_Standard.PDL, @PG_VlvPosL_Limit.PDL, @PG_PumpMon_Preview.PDL

5.1.2 Changes in version 9.1

- The units have been adapted in the **Valve characteristic** `@PG_VlvMon_FlowChar.pdl` view and in the **Parameter view** `@PG_VlvMon_Parameter1.pdl`.
- The display of the **operation messages** has been adapted with regard to comments. The global script `APL_OperationLog.fct` has been modified.
- The color display of the views `@PG_Intlk02/04/008/16_Standard.PDL`, `@PG_Intlk16_Screen.PDL` has been modified.
- The scaling function of the **trend views** has been adapted and extended. To this end, `@PG_APL_Trend.PDL`, `@PG_APL_Trend2.PDL`, `@PG_APL_TrendDose.PDL`, `@PG_APL_TrendKF.PDL`, `@PG_APL_TrendMonAnL.PDL`, `@PG_APL_TrendMPC.PDL`, `@PG_APL_TrendMPC_L.PDL`, `@PG_APL_TrendPID.PDL`, `@PG_APL_TrendPID_Statistic.PDL`, `@PG_APL_SteadyState_Trend.PDL`, `IconsNormalEx.png` were modified.
- The **measuring point browser** can be applied correctly even for non **PCS 7 standard languages**. English is displayed in this case. `PCS7_TagStates_APL.xml` has been adapted.
- The color gradient between the block icons of `OpDi01` and `OpDi03` has been adapted in `@PCS7TypicalsAPLV9.PDL`, `@TemplateAPLV9.PDL`.
- The file names `@PCS7TypicalsAPLV8.PDL \ @TemplateAPLV8.PDL` have been renamed to `@PCS7TypicalsAPLV9.PDL \ @TemplateAPLV9.PDL`.

Changes in the block icons `@PCS7TypicalsAPLV9.PDL \ @TemplateAPLV9.PDL`:

Type	VersionID	Change
`@MonDi08/1`	2020091103	The top margin of the block icon has been modified.
`@OpDi01/1`, `@OpDi01/2`, `@OpDi01/3`	2020091103	The color gradient between the block icons has been adapted.
`@PumpMon/1`, `@PumpMon/2`, `@PST/1`, `@PST/2`, `@SteadyState/1`, `@SteadyState/2`, `@VlvMon/1`, `@PrDrpMon/1`, `@PrDrpMon/2`	2020091103	The block icons of the **Condition Monitoring Library** (CML) have been integrated into the APL.

@PIDConL/1, @PIDConL/2, @PIDConL/3, @PIDConL/4, @PIDConR/1, @PIDConR/2, @PIDConR/3, @PIDConR/4, @PIDConR/1, @PIDConS/2, @PIDConS/3, @PIDConS/4, @PIDStepL/1, @PIDStepL/2, @PIDStepL/3, @PIDStepL/4, @FmCont/1, @FmCont/2, @FmCont/3, @FmCont/4, @FmTemp/1, @FmTemp/2, @FmTemp/3, @FmTemp/4, @ConPerMon/1, @ConPerMon/2, @MonAnL/1, @MonAnL/2, @MonAnS/1, @MonAnS/2, @MonDiL/1, @MonDiL/2, @MonDiL/3, @MonDiS/1, @MonDiS/2, @MonDiS/3, @MonDi08/1, @OpAnL/1, @OpAnL/2, @OpAnL/3, @OpAnL/4, @DoseL/1, @DoseL/2, @CountOh/1, @CountScL/1, @CountScL/2,@CountScL/3 @TotalL/1, @TotalL/2, @PumpMon/1, @PumpMon/2, @PST/1	2020091103	The background display of the **limit icons** for Alarm, Warning and Tolerance, for example, have been improved in the block icons.

5.1.3 Update information for version 9.1

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

5.2 Version 9.1 SP1

5.2.1 What's new in Version 9.1 SP1?

- **Call of further faceplates**
  The call function now also supports the **Xfer faceplate** from the PCS 7 Industry Library.
  Changed file(s): APL_OpenNewView.fct

5.2.2 Changes in Version 9.1 SP1

- **Parameter view for controller blocks**:
  The `Gain` value is no longer limited to `PV_OpScale.High` and `PV_OpScale.Low`.
  Changed files:
  `@PG_PIDConL_Parameter.PDL`
  `@PG_PIDConR_Parameter.PDL`
  `@PG_PIDConS_Parameter.PDL`
  `@PG_PIDStepL_Parameter.PDL`
  `@PG_FmCont_Parameter.PDL`
  `@PG_FmTemp_Parameter.PDL`
- **Parameter view** `MotSpdCL`
  Delay factors are hidden when monitoring is deactivated
  Changed files:
  `@PG_MotSpdCL_Parameter.PDL`
- The **PCS 7 measuring point overview** correctly displays the bypass information for the `TotalL` block.
- The units have been adapted in the **Valve characteristic** `@PG_VlvMon_FlowChar.pdl` view and in the **Parameter view** `@PG_VlvMon_Parameter1.pdl`.

Changes in the block icons `@PCS7TypicalsAPLV9.PDL \ @TemplateAPLV9.PDL`:

Note

Changes to block icons that have been made due to the new functionality "new synchronization" are not listed here.

Type	VersionID	Change
`@OpDi01/1-3, @OpDi03/1-3, @OpTrig/1-2`	2021032203	Quick operation by **right-clicking on the block icon** is supported.
`@OpDi03/3`	2021032203	Enhanced display of the **Lock icon** in the block icon.
`@Intlk02/2, IntLk04/2`	2021030203	Correct display of the ToolTipText.
`@PumpMon/1, @PumpMon/2, @PrDrpMon/1, @PrDrpMon/2 @VlvMon/1`	2021031603	The status display has been unified with regard to the "On" display and adapted to the other block icons.

5.2.3 Update Information for Version 9.1 SP1

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

5.3 Version 9.1 SP2

5.3.1 What's new in Version 9.1 SP2?

- The **VlvAnL** block supports an additional **device-specific view** (**AddOn view**) in its faceplates.
  Changed file(s): `APL_OpenNewView`, `APL_ChangeView`, `APL_UpdateScreenCompositionInfo`, `APL_GetAlarmFilterString`, `APL_ConfigureFaceplate` extended.
- Support for other technological units
  - g
  - inch/s²
  - milli inch
- The call function shared by **Industry Library** and **PCS 7 Advanced Process Faceplates** for displaying new views now also supports the **Xfer faceplate** from the PCS 7 Industry Library.
  Changed file(s): APL_OpenNewView.fct

5.3.2 Changes in Version 9.1 SP2

- **Message view for MotSpdCL, MonAnL**:
  The message view also outputs messages when using the AddOn view. Changed file: `APL_GetAlarmFilterString.fct`.
- **Return to the process picture**:
  Even when opening a faceplate whose block is located in a different hierarchy folder, the image jumps to the corresponding process picture when the "Back to block icon " button is pressed. Changed file: `APL_OpenNewView.fct`.

- **Trend call via right mouse click:**
  Also when opening a trend block via right mouse button, the archive values are displayed immediately. Changed files: `@PG_APL_Trend.PDL, @PG_APL_Trend2.PDL, @PG_APL_TrendBin.PDL, @PG_APL_TrendDose.PDL, @PG_APL_TrendMonAnL.PDL, @PG_APL_TrendPID.PDL, @PG_APL_TrendPID_Statistic.PDL`.
- **Parameter view, preview for TimeTrig:**
  If "External time" `Feature.Bit6 =1` is parameterized, the checkmark in the "Local time" checkbox in the parameter view is reset and grayed out. Changed file: `@PG_TimeTrig_Parameter.PDL`
  If the "External time" is not parameterized, it is not displayed in the preview. Changed file: `@PG_TimeTrig_Preview.PDL`
  The status of daylight saving time and local time is adjusted. Changed file: `@PG_TimeTrig_Preview.PDL`.

Changes in the block icons `@PCS7TypicalsAPLV9.PDL \ @TemplateAPLV9.PDL`:

Type	VersionID	Change
No block icons were changed in this version	---	---

5.3.3 Update Information for Version 9.1 SP2

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

5.4 Version 9.1 SP2 Update 1

5.4.1 Changes in Version 9.1 SP2 Update 1

- **APL Operator Trend Control (AOTC)**:
  - **Adding a new curve on an OS client** has been improved. A new curve is now added at the end of the list and no longer at the beginning.
    Changed file: `@TRG_APL_TrendCurve.PDL`
  - **Call for OpDi01, OpDi03 and OpTrig**
    The call via the block icon now works independently of the status of the output signals of the mentioned block types.
    Changed files: `@PCS7TypicalsAPLV9.PDL` und `@TemplateAPLV9.PDL`
- **Trend view**:
  The assignment of the variables to the trend control now also works if the faceplate is not called via the block icon but via the faceplate jump.
  Changed files:
  `@PG_CntOhSc.PDL`
  `@PG_ConPerMon.PDL`
  `@PG_FmCont.PDL`
  `@PG_FmTemp.PDL`
  `@PG_ModPreCon.PDL`
  `@PG_OpAnL.PDL`
  `@PG_OpAnS.PDL`
  `@PG_PIDConL.PDL`
  `@PG_PIDConR.PDL`
  `@PG_PIDConS.PDL`
  `@PG_PIDStepL.PDL`
  `@PG_PrDrpMon.PDL`
  `@PG_PumpMon.PDL`
  `@PG_SteadyState.PDL`
  `@PG_TimeTrig.PDL`
  `@PG_VlvPosL.PDL`
- **Call of SelA16In standard view via free image jump key:**
  If the standard view of the `SelA16In` was not called up via the block icon but via the screen jump key from another standard view, setpoint operation was not possible. This has been corrected.
  Changed file: `@PG_APL_SelA16In-Standard.PDL`
- **Value input >999999 seconds:**
  The function for the **input of time values** now also allows you to enter second values >999999s.
  In addition, self-created faceplates based on the **CountOh** are also supported.
  Changed file: `APL_InitializeDateTimeInputDialog.fct`
- If, for the **interlock buttons** of the **standard and preview of the MotSpdC, user-specific texts** have been configured, these are now displayed.
  Changed files: `@PG_MotSpdCL_Standard.PDL` and `@PG_MotSpdCL_Preview2.PDL`

- The adding and display of **archive tags in AOTC on a Web Client** has been improved**.** Changed files: `@PG_APL_Dialog.pdl, APL_OpenCurveControl.fct`
- The number of **decimal places** for the **controller parameter** `Gain`, has been increased to 6. Changed files:
  `@PG_FmCont_Parameter.PDL`
  `@PG_FmTemp_Parameter.PDL`
  `@PG_PIDConL_Parameter.PDL`
  `@PG_PIDConR_Parameter.PDL`
  `@PG_PIDConS_Parameter.PDL`
  `@PG_PIDStepL_Parameter.PDL`

Changes in the block icons `@PCS7TypicalsAPLV9.PDL \ @TemplateAPLV9.PDL`:

Type	VersionID	Change
OpDi01 Type 1/2/3 **OpDi03** Type 1/2/3 **OpTrig** Type 1/2	2023010403	The call via the block icon now works independently of the status of the output signals of the mentioned block types.

5.4.2 Update Information for Version 9.1 SP2 Update 1

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

5.5 Version 9.1 SP2 Update 2

5.5.1 Changes in Version 9.1 SP2 Update 2

- The APLCustomerUnits.xml must be saved as UTF 16, to ensure that all characters can be displayed.
- When process picture is opened via "Picture by name" as a separate window and the user is switched with "Change user", the permissions are updated as per the user administrator.

5.5.2 Update Information for Version 9.1 SP2 Update 2

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

5.6 Version 9.1 SP2 Update 3

5.6.1 Changes in Version 9.1 SP2 Update 3

- Operator authorization is improved based on the area level permissions configured in the WinCC User Administrator.
- In APL Operator Trend Control(AOTC) the "Time range settings" & "Previous/Next data record" of the trend displays the archived values in the web navigator, sets the alarm filter based on the selected time period & the highlight of the day selection button is removed. This is not applicable for the "Number of measurement points" setting.
- Alarm filter update on reopening the AOTC message view is improved.
- The user-defined text entered in the parameters (SetOp1#String_1, SetOp2#String_1 and SetOp3#String_1) is now displayed in **OpDi03** block symbol type 3 and transferred to the operating area when the mini faceplate for **OpDi01** and **OpDi03** is open.

5.6.2 Update Information for Version 9.1 SP2 Update 3

The following applies to software updating:

1. Update faceplates and block icons of the project; see the "Process Control System PCS 7 Operator Station" manual.
2. After installing the Web View Publisher , the Web View Publisher must be run on the Webserver .
3. The plug-in of thePCS 7 Advanced Process Faceplates must be updated on the Web-Clients .

Information on configuration and operation

6

- The **faceplates are designed as multilingual**:
  - User interface texts are configured in PCS 7 OS,
  - Message texts are configured in the PCS 7 ES.

  The **display texts** of the block (`s7_shortcut / s7_string_0/1`) are delivered only in English and can be changed to the language of the country in ES. You can change these texts in STEP 7 on the block or in the CFC chart of the corresponding block instance.
- **Tag names** that refer to AS blocks with messages may not contain the special characters `(Leerzeichen % . ' \ ? * :) .`
- **Configuration at the block icon**
  It is recommended not to make any instance-specific parameter changes at the block icon, for example, for the following settings:
  - Color settings for the trend display
  - Changes to operator permissions

  If you nevertheless make instance-specific parameter changes, they do not have an effect if the faceplate is opened with the "Picture selection via measuring point" or "Jump from faceplate to faceplate" function and not directly with the block icon. In this case, the system-specific settings are in effect and not the instance-specific settings.
- **Jumping from "Faceplate to Faceplate"**
  This function is language-based. To use this function in a foreign language, the language needs to be configured in your project. In the SIMATIC Manager (menu command Options > Language for Display Devices...), check if there is a foreign language used in the project. If necessary, configure this foreign language as described in the "PCS 7 – Configuration Manual Operator Station" and compile the OS.
  This function is not available in the OS simulation, the keys for jumps do not operate in the OS simulation.
- **Changes in faceplate**
  If you make changes in faceplates, you will have to document them in the project. In case of an upgrade, you will also have to make these changes in the newly supplied APL Faceplates.
- In the XML file `APLCustomerUnits.xml` **you can define your own units**.
- PCS 7 OS function "**Compose/call trend groups in the working area**"
  The display of an APL Operator Trend Control trend group (AOTC) in the PCS 7 OS trend group working area is not supported.

Notes on the documentation

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The terms or message classes Alarm, Warning, Tolerance or the corresponding acronyms in icons and colors used in the documentation are not valid when using user-configured message classes.

These terms and colors depend on the project-specific setting.

The user-configured alarm classes are only supported by block icons from the template pictures „`@PCS7TypicalsAPLV9.PDL`" or template „`@TemplateAPLV9.PDL`".

The following has to be replaced in Note from "DoseL flow setpoint view":

- Old
  2.) In scale mode with `Feature.Bit7 = 1` the displays (3), (4), (5), (6) and (8) are hidden.
- New
  2.) In scale mode with `Feature.Bit7 = 1`, the displays (3), (4), (5) and (6) are hidden."
  This means that the bar graph for the SP active setpoint is displayed in scale operation with flow calculation when `Feature.Bit7 = 1` is set.

Change history of PCS 7 Advanced Process Faceplates

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Changes since delivery release of PCS 7 Advanced Process Faceplates Readme (online)

Version	Edition	Change
2021-02-16 (ONLINE)	02/2021	Delivery version PCS 7 Advanced Process Faceplates V9.1
2021-11-08 (ONLINE)	11/2021	Delivery version PCS 7 Advanced Process Faceplates V9.1 SP1
2022-06-21 (ONLINE)	06/2022	Delivery version PCS 7 Advanced Process Faceplates V9.1 SP2
2023-04-26 (ONLINE)	04/2023	Delivery version PCS 7 Advanced Process Faceplates V9.1 SP2 Update 1
2024-02-29 (ONLINE)	02/2024	Delivery version PCS 7 Advanced Process Faceplates V9.1 SP2 Update 2
2024-10-04 (ONLINE)	10/2024	Changes in chapter ”Notes on the documentation"
2024-11-11 (ONLINE)	11/2024	Delivery version PCS 7 Advanced Process Faceplates V9.1 SP2 Update 3
2025-02-10 (ONLINE)	02/2025	Changes in chapter "Changes in Version 9.1 SP2 Update 3"