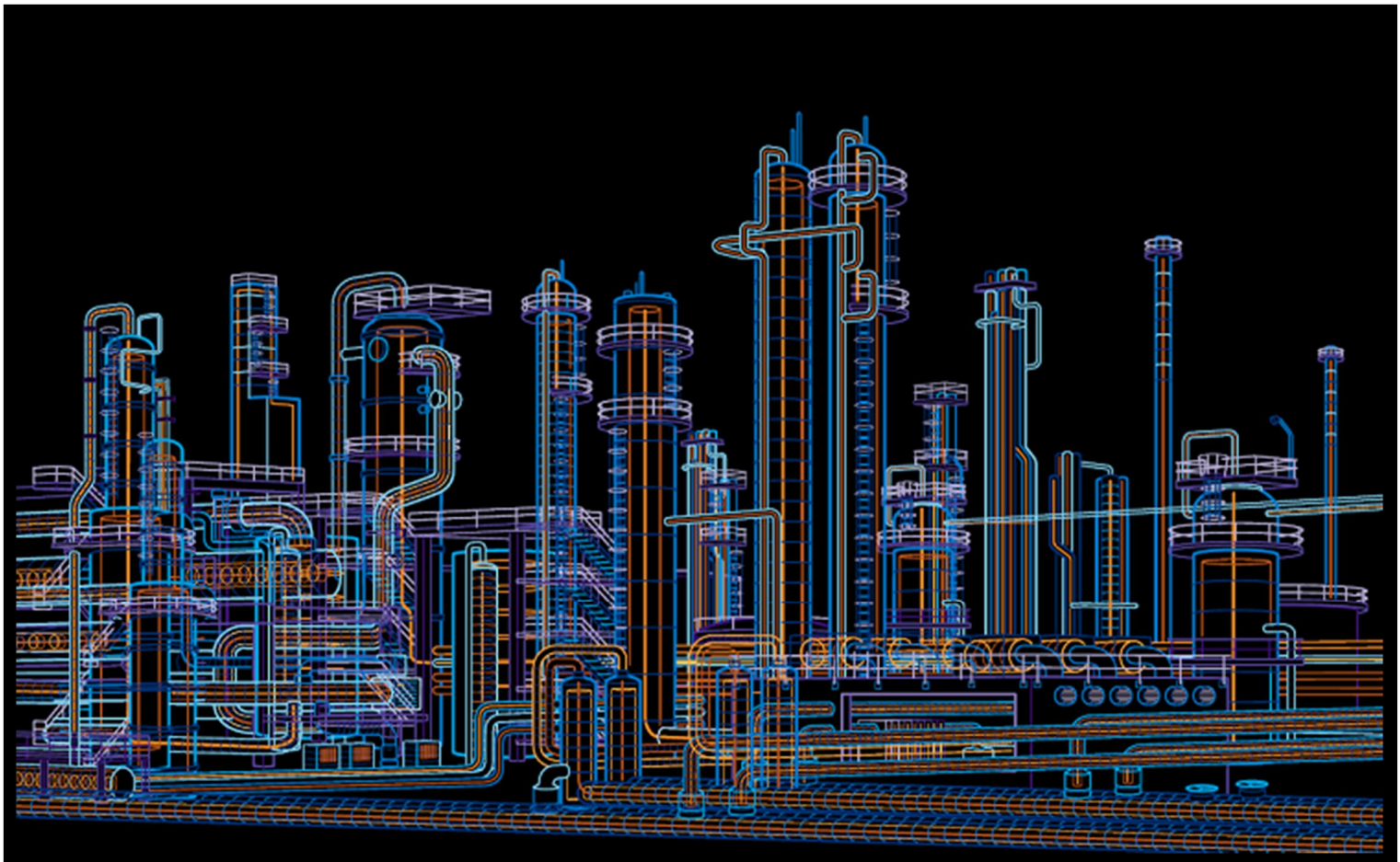

System 800xA
PC Toolkit Library for Melody
Human System Interface - Block Flags
User Manual

System Version V6.0

Power and productivity
for a better world™

Purpose

The purpose of this document is to describe the Human System Interface with Faceplates and Graphic Elements of the System 800xA with connectivity to Melody/AC870P. All elements are part of an 800xA System Extension, which will be used mainly in the Petrochemical Industry but also in other Process industries. This document defines the ABB Control System standards for the Human Machine Interface (HMI).

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Human System Interface (Classic Style)

1. BFLAG – Block Flag Boolean

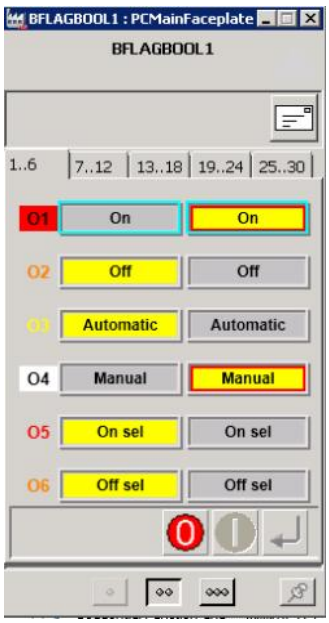


Figure: 1-1 Main View

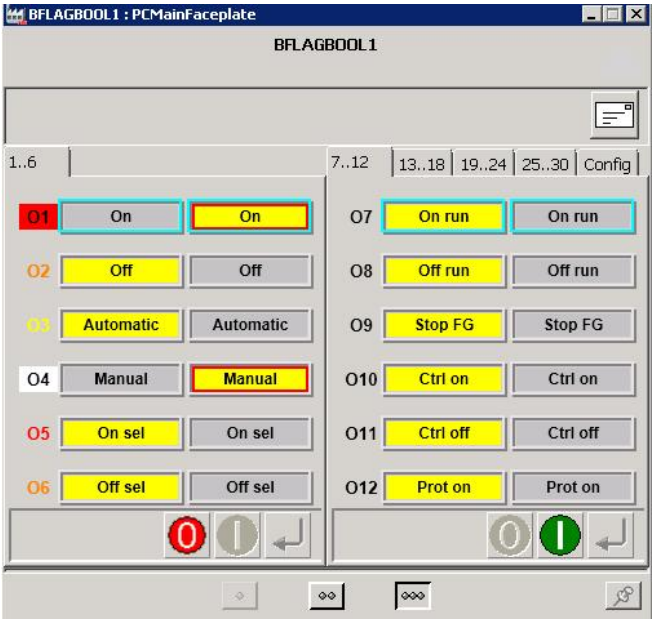


Figure: 1-2 Extended View

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Boolean
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 1-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 1-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 1-3 Sizing Information

Indicator and button icons are displayed on dedicated positions. Position 1 is the upper left corner. Position 12 is the lower right corner. Position 0 is not shown.

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_bool_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_bool_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_bool_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_bool_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_bool_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_bool_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_bool_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_bool_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_bool_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_bool_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_bool_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 1-4 Faceplate Aspect names

1.1 Faceplate elements

1.1.1 bflag_bool_FE_xx_yy PG2

This is the main view for the Block Flag Boolean object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one which is operable by the buttons on the bottom of the faceplate element) is highlighted by blue frame.

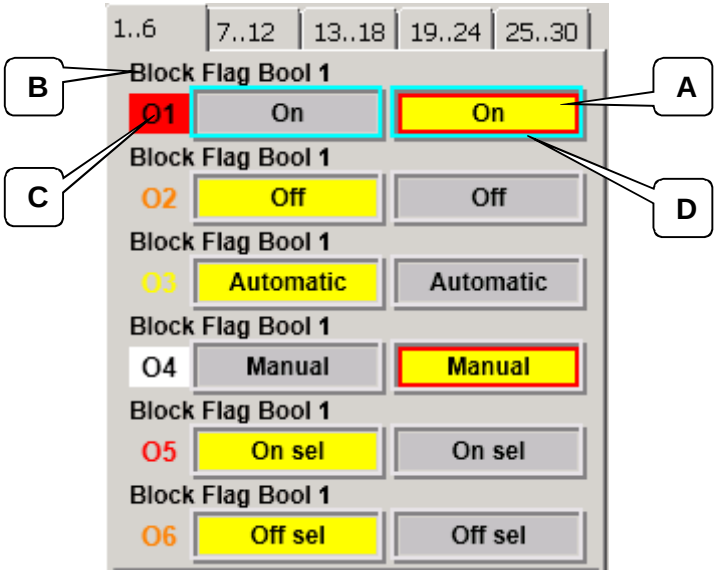


Figure: 1-3 Main Tab

ID	Comment	Property
A	Indication of binary state for output ***X*** (white color means active state, red rectangle means alarm)	State: O***X***/SIG Alarm: O***X***/ALARM Texts: O***X***/SIG0, O***X***/SIG1
B	Output description text	O***X***/DESCRIPTION
C	Fill color indicates active alarm	Alarm: O***X***/ALARM Color: O***X***/PRI
D	Blue frame highlights selected output	-

Table: 1-5 Classic Faceplate Main tab Description

1.1.2 bflag_bool_FE_Config PG2

Operation Lock and Manual Inhibit Write Permissions

The Melody faceplates' configuration tab allows checking **Operation Lock** in order to inhibit operator inputs. All buttons will be grayed out. Refer to document 3BDA033456R51xx Installation and Configuration in order to change the default write permission.

Manual Inhibit can be selected to manually inhibit all alarms of this Melody tag.

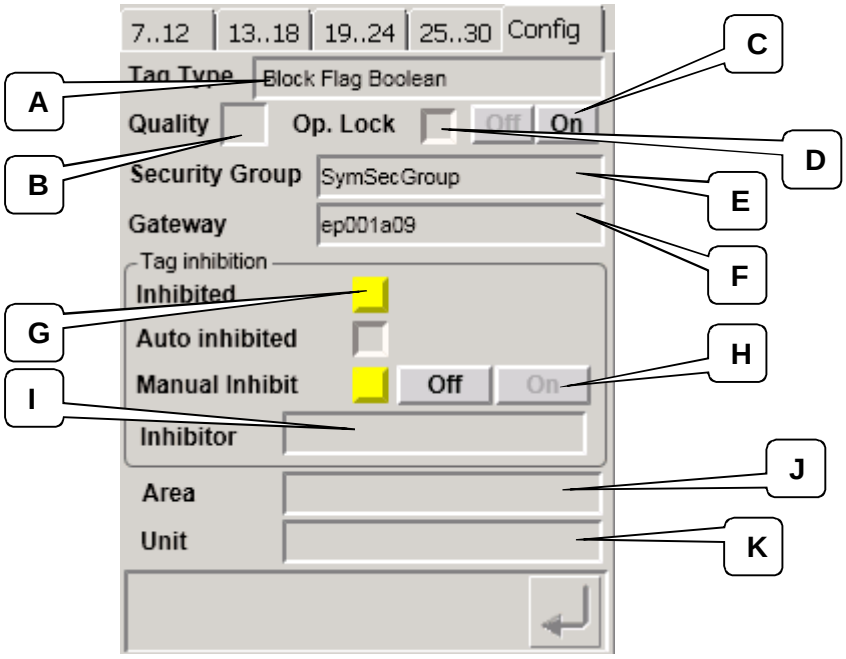


Figure: 1-4 Config Tab

ID	Comment	Property
A	Text describing the type of the tag	TYPE
B	Character which is providing Melody quality information	QUALITY
C	Buttons allow to switch Operating Lock on and off	On: AKO/SIG Off: AKOR/SIG
D	Binary indicator Yellow color: Op. Lock is On Gray color: Op. Lock is Off	AKO/SIG
E	Text describing the Melody security group to which this tag belongs	SECNAME
F	Text describing the Melody gateway to which this tag belongs	GATEWAY
G	Binary indicators are showing inhibition status (Yellow color = On)	INHB INHBAUTO INHBMAN
H	Buttons allow to manually inhibit the tag	INHBMAN

ID	Comment	Property
I	Information about inhibitor	INHBTAG
J	Text describing Melody area to which tag belongs	AREA
K	Text describing Melody unit to which tag belongs	UNIT

Table: 1-6 Classic Faceplate Config tab Description

1.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 1-7 Indicators

1.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 1-8 Aspect Links

1.4 Faceplate Buttons

Following buttons are present under each Main tab.

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Set selected output to false	O***X***/SIG (False)	4	4	4
	Set selected output to true	O***X***/SIG (True)	5	5	5
	Apply the selected action	-	6	6	6

Table: 1-9 Faceplate Buttons

1.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 1-10 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Boolean

Example	Graphic Element Name	Description
	bflag_bool_o1_text_PG2 to bflag_bool_o12_text_PG2	Indicator text box for Boolean input/output (Signal O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11,O12)
	bflag_bool_30_text_PG2	Indicator text box for Boolean input/output without Signal Indication (Signal O1-O30)
	bflag_bool_o1_cmd0_op_PG2	Command button „OFF". Push button with apply.

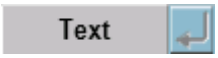
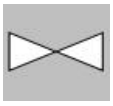
Example	Graphic Element Name	Description
	bflag_bool_o1_cmd0_op_1step_PG2	Command button „OFF”. Push button without apply.
	bflag_bool_o1_cmd1_op_PG2	Command button „ON”. Push button with apply.
	bflag_bool_o1_cmd1_op_1step_PG2	Command button „ON”. Push button without apply.
	bflag_bool_01_value_op_text_PG2	Command button with Apply, optional Text and Value (ON/OFF). Size wide.
	bflag_bool_0x_value_op_text1_PG2	Command button with Apply, optional Text and Value (ON/OFF). Size medium.
	bflag_bool_0x_value_op_text2_PG2	Command button with Apply, optional Text and Value (ON/OFF). Size small.
	bflag_bool_01_value_op_text3_PG2	Command button (ON/OFF) with Apply, optional Text.
	bflag_bool_o1_valve_PG2	Mode icon Valve for Boolean. (Signal O1)
	bflag_bool_o1_return_PG2	Mode icon Return for Boolean (Signal O1)

Table: 1-11 Melody Block Flag Boolean GE

2. BFLAG - Block Flag Clock

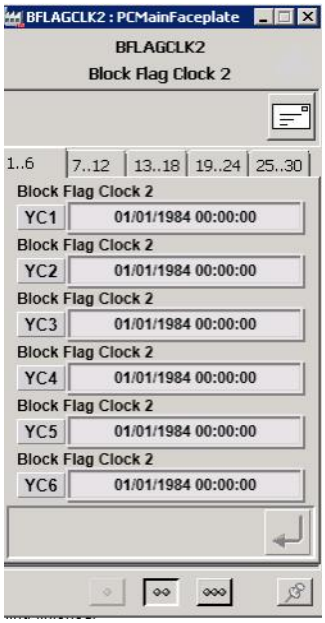


Figure: 2-1 Main View

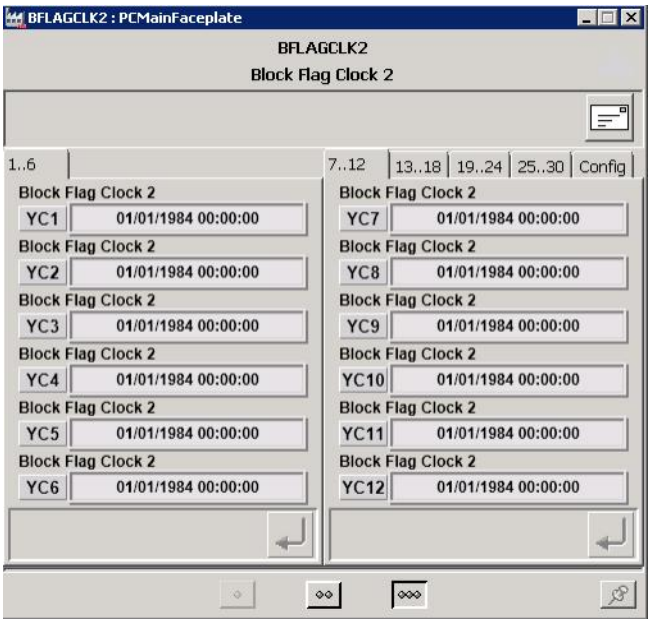


Figure: 2-2 Extended View

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Clock
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 2-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 2-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 2-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_clock_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_clock_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_clock_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_clock_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_clock_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_clock_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_clock_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_clock_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_clock_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_clock_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_clock_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 2-4 Faceplate Aspect names

2.1 Faceplate Elements

2.1.1 bflag_clock_FE_xx_yy PG2

This is the main view for the Block Flag Clock object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals.

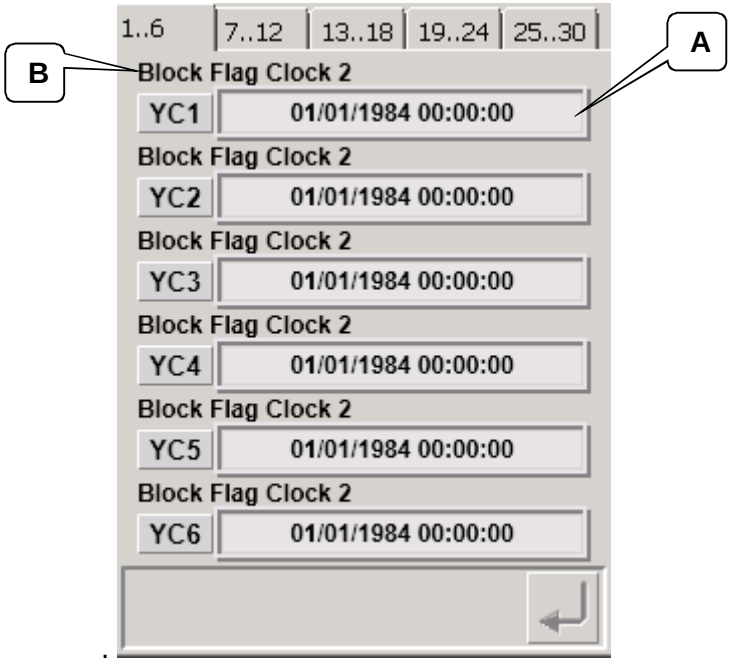


Figure: 2-3 Main Tab

ID	Comment	Property
A	Indication of time clock value for output ***X***	YC***X***/SIG
B	Description of signal for output ***X***	YC***X***/DESCRIPTION

Table: 2-5 Item Description

2.1.2 bflag_clock_FE_Config PG2

Refer to 1.1.2 bflag_bool_FE_Config PG2

2.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 2-6 Indicators

2.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 2-7 Aspect Links

2.4 Faceplate Buttons

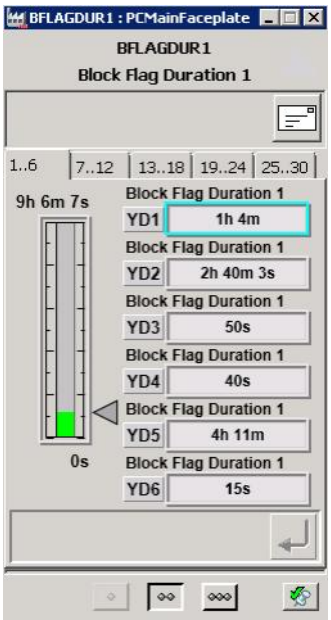
Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 2-8 Faceplate Buttons

2.5 Graphic Elements

There are no classic graphic elements for this object type

3. BFLAG – Block Flag Duration



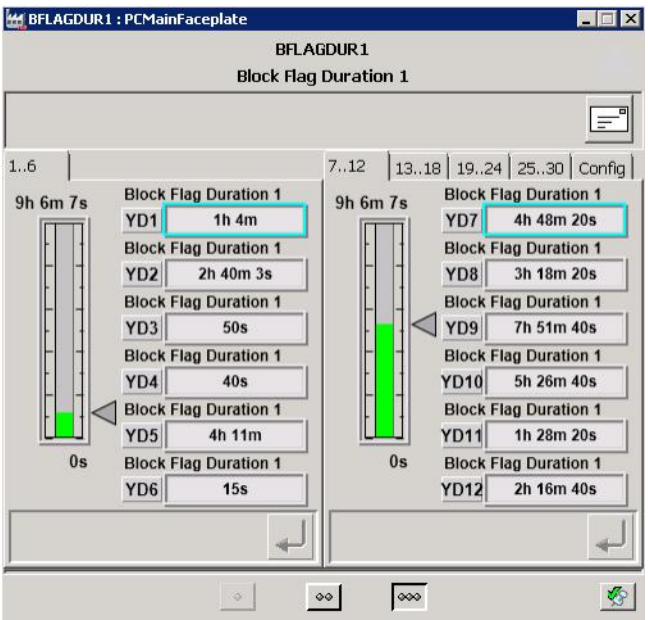


Figure: 3-1 Main View *Figure: 3-2 Extended View*

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Duration
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 3-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 3-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 3-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_duration_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_duration_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_duration_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_duration_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_duration_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_duration_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_duration_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_duration_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_duration_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_duration_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_duration_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 3-4 Faceplate Aspect names

3.1 Faceplate elements

3.1.1 bflag_duration_FE_xx_yy PG2

This is the main view for the Block Flag Duration object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (output presented by bar graph) is highlighted by blue frame.

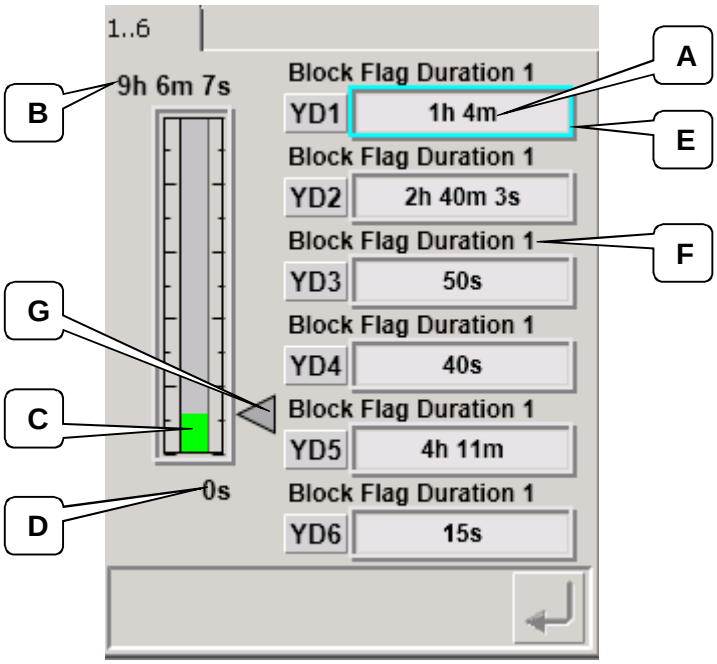


Figure: 3-3 Main Tab

ID	Comment	Property
A	Indication of time value for output ***X***	YD***X***/SIG
B	Maximum range of time value	Constant: 9h 6m 7s
C	Bar graph presentation of time value for output ***X***	YD***X***/SIG
D	Minimum range of time value	Constant: 0s
E	Selected output is highlighted by blue frame	-
F	Signal description for output ***X***	YD***X***/DESCRIPTION
G	Bar graph input of time value for output ***X***	YD***X***/SIG

Table: 3-5 Classic Faceplate Main tab Description

3.1.2 bflag_duration_FE_Config PG2

Refer to 1.1.2 bflag_bool_FE_Config PG2

3.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 3-6 Indicators

3.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 3-7 Aspect Links

3.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 3-8 Faceplate Buttons

3.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

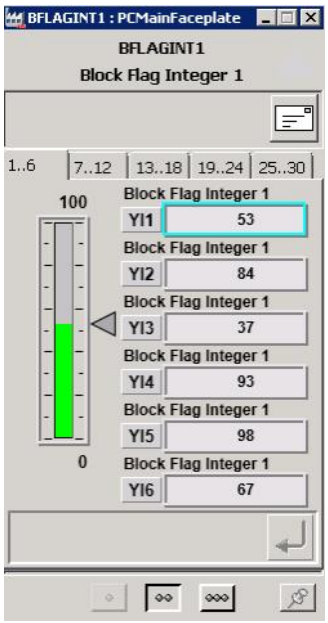
Table: 3-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type BLOCK FLAG DURATION

Example	Graphic Element Name	Description
06h 05m 53s	bflag_duration_yd1_numeric_PG2 bflag_duration_yd2_numeric_PG2 bflag_duration_yd3_numeric_PG2	Indicator text box with numeric formatting displaying duration input/output (Signal YD1, YD2, YD3)
06h 05m 53s	bflag_duration_yd1_numeric_op_PG2	Indicator text box, that allows operator input, with numeric formatting displaying duration input/output (Signal YD1)

Table: 3-10 Melody Block Flag Duration GE

4. BFLAG – Block Flag Integer



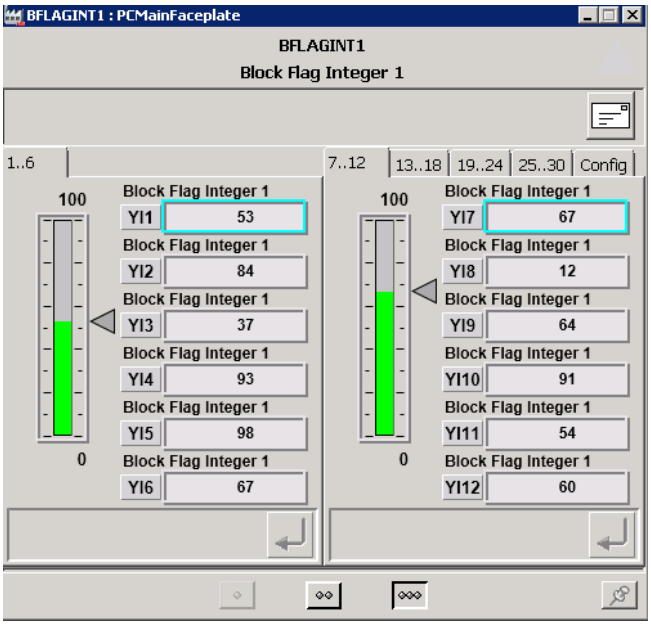


Figure: 4-1 Main View *Figure: 4-2 Extended View*

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Integer
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 4-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 4-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 4-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_integer_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_integer_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_integer_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_integer_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_integer_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_integer_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_integer_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_integer_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_integer_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_integer_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_integer_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 4-4 Faceplate Aspect names

4.1 Faceplate elements

4.1.1 bflag_integer_FE__xx_yy PG2

This is the main view for the Block Flag Integer object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one presented by bar graph) is highlighted by blue frame.

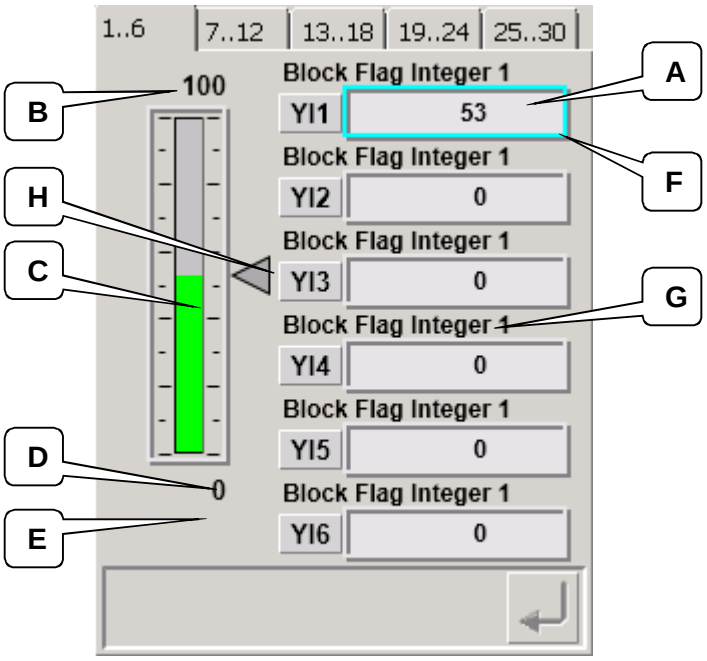


Figure: 4-3 Main Tab

ID	Comment	Property
A	Indication of integer value for output ***X***	YI***X***/SIG
B	Maximum range of integer value for selected output	YI***X***/HIGH
C	Bar graph presentation of integer value for selected output	YI***X***/SIG
D	Minimum range of integer value for selected output	YI***X***/LOW
E	Unit string for selected output (if used)	YI***X***/UNITS
F	Blue frame highlights selected output	-
G	Output ***X*** signal description	YI***X***/DESCRIPTION
H	Bar graph input of integer value (for selected output)	YI***X***/SIG

Table: 4-5 Classic Faceplate Main tab Description

4.1.2 bflag_integer_FE_Config

Refer to 1.1.2 bflag_bool_FE_Config PG2

4.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 4-6 Indicators

4.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 4-7 Aspect Links

4.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 4-8 Faceplate Buttons

4.5 Graphic Elements

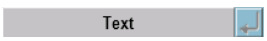
The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 4-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Integer

Example	Graphic Element Name	Description
	bflag_integer_yi1_value_op_text_pg2	Command button with apply, optional Text and Value. Size wide.
	bflag_integer_yi1_value_op_text1_pg2	Command button with apply, optional Text and Value. Size medium.
	bflag_integer_yi1_value_op_text2_pg2	Command button with apply, optional Text and Value. Size small.

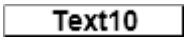
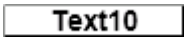
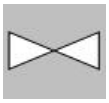
Example	Graphic Element Name	Description
	bflag_integer_yi1_bargraph_PG2	Bargraph for integer input/output (Signal YI1)
	bflag_integer_yi1_numeric_PG2	Indicator text box with numeric formatting displaying integer input/output (Signal YI1)
	bflag_integer_yi1_numeric_op_PG2	Indicator text box, that allows operator input, with numeric formatting displaying integer input/output (Signal YI1)
	bflag_integer_yi1_duration_PG2	Indicator text box with time duration formatting displaying integer input/output (Signal YI1)
	bflag_integer_yi1_text_30_pg2 bflag_integer_yi2_text_30_pg2 bflag_integer_yi3_text_30_pg2 bflag_integer_yi4_text_30_pg2 bflag_integer_yi5_text_30_pg2	Indicator text box 30 different text entries for YIx possible
	bflag_integer_yi1_text_40_pg2 bflag_integer_yi2_text_40_pg2 bflag_integer_yi3_text_40_pg2 bflag_integer_yi4_text_40_pg2 bflag_integer_yi5_text_40_pg2	Indicator text box 40 different text entries for YIx possible
	bflag_integer_yi1_valve_PG2	Mode icon Valve for integer. (Signal YI1)

Table: 4-10 Melody Block Flag Integer GE

5. BFLAG – Block Flag Long Duration

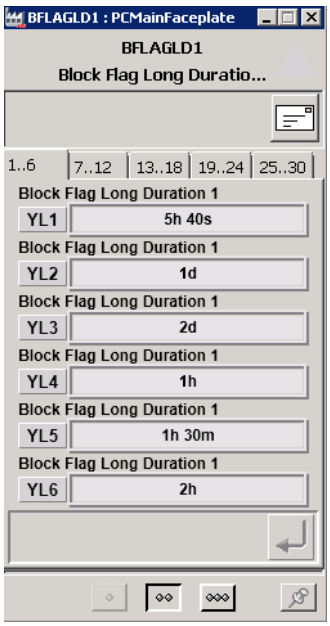


Figure: 5-1 Main View

Figure: 5-2 Extended View

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Long Duration
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 5-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 5-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 5-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_ld_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_ld_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_ld_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_ld_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_ld_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_ld_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_ld_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_ld_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_ld_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_ld_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_ld_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 5-4 Faceplate Aspect names

5.1 Faceplate elements

5.1.1 bflag_ld_FE__xx_yy PG2

This is the main view for the Block Flag Long Duration object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals.

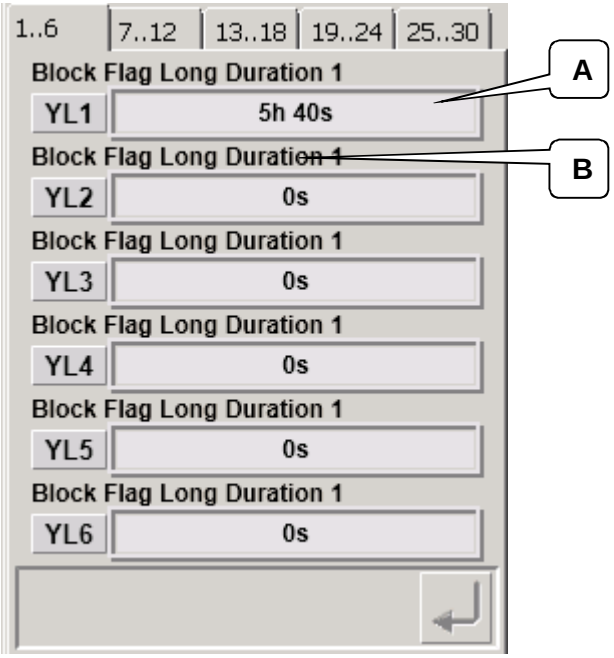


Figure: 5-3 Main Tab

ID	Comment	Property
A	Indication of time value for output ***X***	YL***X***/SIG
B	Description text for signal of output ***X***	YL***X***/DESCRIPTION

Table: 5-5 Classic Faceplate Main tab Description

5.1.2 bflag_ld_FE_Config PG2

Operation Lock and Manual Inhibit Write Permissions

Refer to 1.1.2 bflag_bool_FE_Config

5.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 5-6 Indicators

5.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 5-7 Aspect Links

5.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 5-8 Faceplate Buttons

5.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

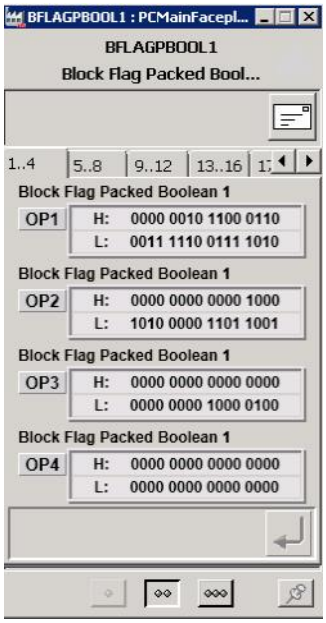
Table: 5-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Long Duration

Example	Graphic Element Name	Description
06h 05m 53s	bflag_ld_yl1_numeric_PG2	Indicator text box with numeric formatting displaying long duration input/output (Signal YL1)
06h 05m 53s	bflag_ld_yl1_numeric_op_PG2	Operable indicator text box with numeric formatting displaying long duration input/output (Signal YL1)

Table: 5-10 Melody Block Flag Long Duration GE

6. BFLAG – Block Flag Packed Boolean



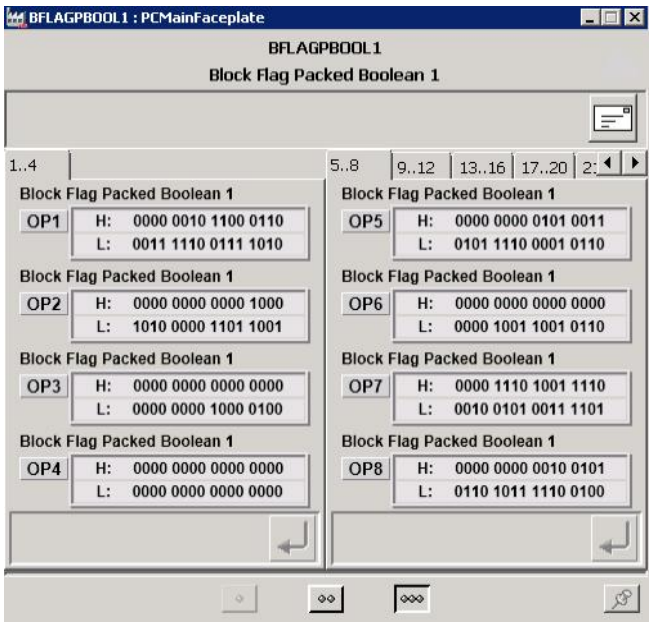


Figure: 6-1 Main View *Figure: 6-2 Extended View*

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Packed Boolean
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 6-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 6-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 6-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_pbool_FE_01_04 PG2	1	1..4	EveryOne
Main	bflag_pbool_FE_05_08 PG2	1	5..8	EveryOne
Main	bflag_pbool_FE_09_12 PG2	1	9..12	EveryOne
Main	bflag_pbool_FE_13_16 PG2	1	13..16	EveryOne
Main	bflag_pbool_FE_17_20 PG2	1	17..20	EveryOne
Main	bflag_pbool_FE_21_24 PG2	1	21..24	EveryOne
Main	bflag_pbool_FE_25_28 PG2	1	25..28	EveryOne
Main	bflag_pbool_FE_29_30 PG2	1	29..30	EveryOne
Ext	bflag_pbool_FE_01_04 PG2	1	1..4	EveryOne
Ext	bflag_pbool_FE_05_08 PG2	2	5..8	EveryOne
Ext	bflag_pbool_FE_09_12 PG2	2	9..12	EveryOne
Ext	bflag_pbool_FE_13_16 PG2	2	13..16	EveryOne
Ext	bflag_pbool_FE_17_20 PG2	2	17..20	EveryOne
Ext	bflag_pbool_FE_21_24 PG2	2	21..24	EveryOne
Ext	bflag_pbool_FE_25_28 PG2	2	25..28	EveryOne
Ext	bflag_pbool_FE_29_30 PG2	2	29..30	EveryOne
Ext	bflag_pbool_FE_Config PG2	2	NLSID_PC_Confi g	EveryOne

Table: 6-4 Faceplate Aspect names

6.1 Faceplate elements

6.1.1 bflag_pbool_FE_xx_yy PG2

This is the main view for the Block Flag Packed Boolean object type faceplate. Each main view presents 4 outputs. Operator input is possible and based on access rights to the signals.

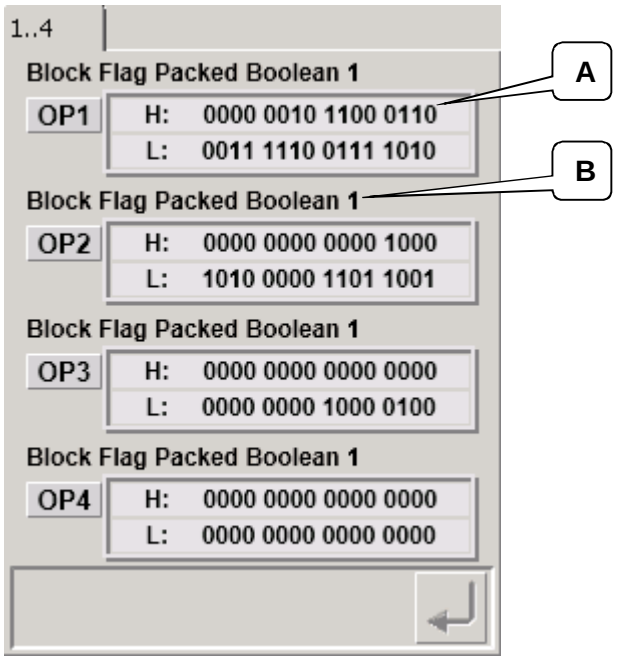


Figure: 6-3 Main Tab

ID	Comment	Property
A	Indication of packed boolean value – High and Low word – for output ***X***	OP***X***/SIG
B	Description text for signal of output ***X***	OP***X***/DESCRIPTION

Table: 6-5 Classic Faceplate Main tab Description

6.1.2 bflag_pbool_FE_Config PG2

Refer to 1.1.2 bflag_bool_FE_Config PG2

6.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 6-6 Indicators

6.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 6-7 Aspect Links

6.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 6-8 Faceplate Buttons

6.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 6-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Packed Boolean

Example	Graphic Element Name	Description
	bflag_pbool_op1_text_PG2	Indicator text box for packed Boolean input/output. 16 different text entries in order of signal OP1 are possible

Table: 6-10 Melody Block Flag Packed Boolean GE

7. BFLAG – Block Flag Real

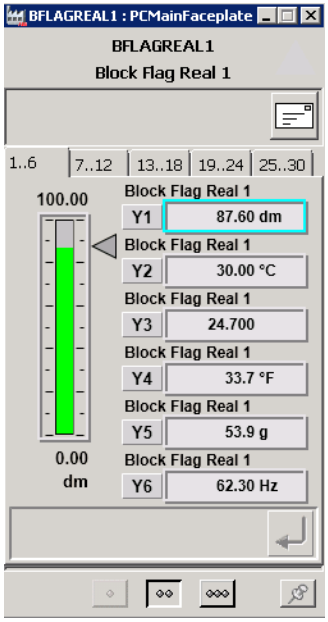


Figure: 7-1 Main View

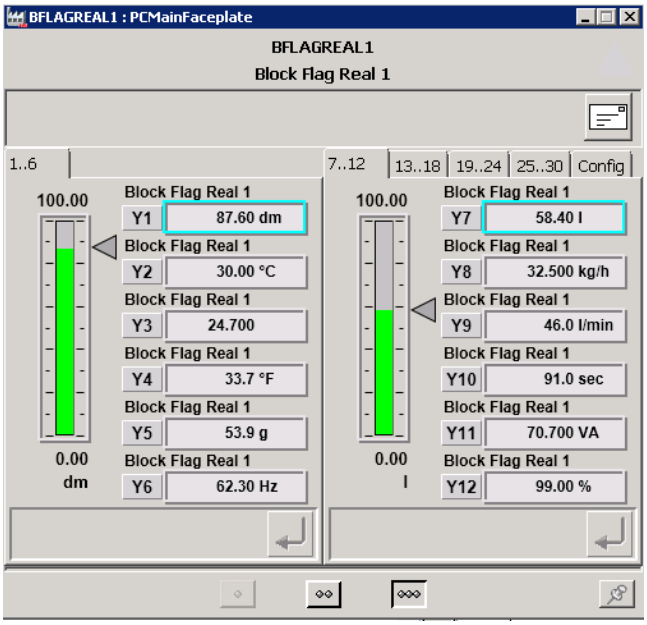


Figure: 7-2 Extended View

Basic information

Name:	**PCMainFaceplate**
Description:	PC MainFaceplate
Connect type:	Melody AC870P
Object type:	Block Flag Real
Library:	-
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 7-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal

Table: 7-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 7-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_real_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_real_FE_07_12 PG2	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_real_FE_13_18 PG2	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_real_FE_19_24 PG2	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_real_FE_25_30 PG2	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_real_FE_01_06 PG2	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_real_FE_07_12 PG2	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_real_FE_13_18 PG2	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_real_FE_19_24 PG2	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_real_FE_25_30 PG2	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_real_FE_Config PG2	2	NLSID_PC_Config	EveryOne

Table: 7-4 Faceplate Aspect names

7.1 Faceplate elements

7.1.1 bflag_real_FE_xx_yy PG2

This is the main view for the Block Flag Real object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one presented by bar graph) is highlighted by blue frame.

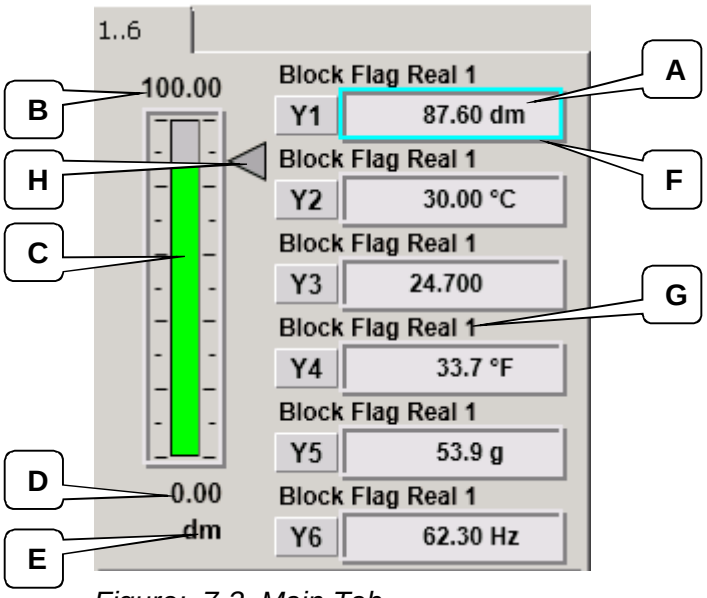


Figure: 7-3 Main Tab

ID	Comment	Property
A	Indication of real value for output ***X***	Y***X***/SIG
B	Maximum range of real value for selected output	Y***X***/HIGH
C	Bar graph presentation of real value for selected output	Y***X***/SIG
D	Minimum range of real value for selected output	Y***X***/LOW
E	Unit string for selected output	Y***X***/UNITS
F	Blue frame highlights selected output	-
G	Output ***X*** signal description	Y***X***/DESCRIPTION
H	Bar graph input of real value for selected output	Y***X***/SIG

Table: 7-5 Classic Faceplate Main tab Description

7.1.2 bflag_real_FE_Config PG2

Refer to 1.1.2 bflag_bool_FE_Config PG2

7.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	5	5	10
	Operator note available		-	-	11

Table: 7-6 Indicators

7.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	6	6	12

Table: 7-7 Aspect Links

7.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	6	6	6

Table: 7-8 Faceplate Buttons

7.5 Graphic Elements

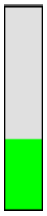
The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 7-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Real

Example	Graphic Element Name	Description
	bflag_real_y1_bargraph_PG2	Bargraph for real input/output (Signal Y1)
	bflag_real_y1_numeric_op_PG2 bflag_real_y2_numeric_op_PG2 bflag_real_y3_numeric_op_PG2 bflag_real_y4_numeric_op_PG2 bflag_real_y5_numeric_op_PG2	Operable indicator text box with numeric formatting displaying real input/output (Signal Y1,Y2,Y3,Y4,Y5,Y6)

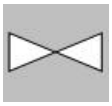
Example	Graphic Element Name	Description
	bflag_real_y6_numeric_op_PG2	
	bflag_real_y1_valve_PG2	Mode icon Valve for real. (Signal O1)

Table: 7-10 Melody Block Flag Real GE

Human System Interface (High Performance Style)

8. BFLAG – Block Flag Boolean

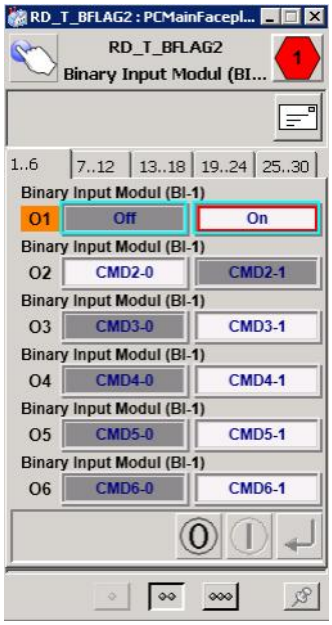


Figure: 8-1 Main View

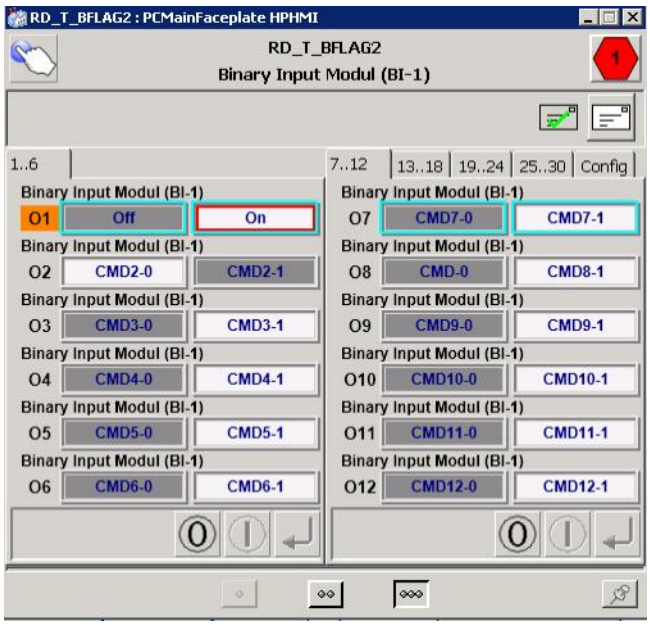


Figure: 8-2 Extended View

Basic information

Name:	**PCMainFaceplate HPHMI**
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Boolean
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 8-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 8-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	0	0
MaxNoOfButtonPerRow	6	12

Table: 8-3 Sizing Information

Indicator and button icons are displayed on dedicated positions. Position 1 is the upper left corner. Position 12 is the lower right corner. Position 0 is not shown.

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_bool_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_bool_FE_HPHMI_07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_bool_FE_HPHMI_13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_bool_FE_HPHMI_19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_bool_FE_HPHMI_25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_bool_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_bool_FE_HPHMI_07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_bool_FE_HPHMI_13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_bool_FE_HPHMI_19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_bool_FE_HPHMI_25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_bool_FE_HPHMI_Config	2	NLSID_PC_Config	EveryOne

Table: 8-4 Faceplate Aspect names

8.1 Faceplate elements

8.1.1 bflag_bool_FE_HPHMI_xx_yy

This is the main view for the Block Flag Boolean object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one which is operable by the buttons on the bottom of the faceplate element) is highlighted by blue frame.

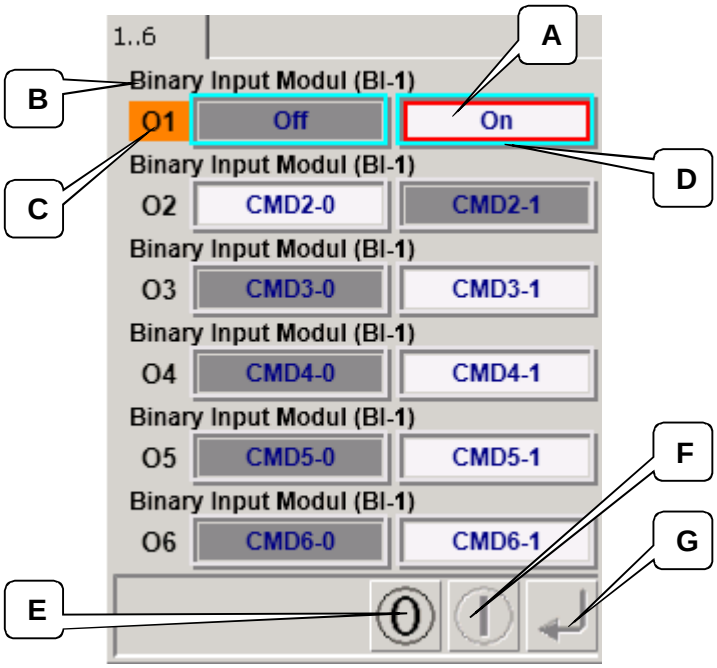


Figure: 8-3 Main Tab

ID	Comment	Property
A	Indication of binary state for output ***X*** (white color means active state, red rectangle means alarm)	State: O***X***/SIG Alarm: O***X***/ALARM Texts: O***X***/SIG0, O***X***/SIG1
B	Output description text	O***X***/DESCRIPTION
C	Fill color indicates active alarm	Alarm: O***X***/ALARM Color: O***X***/PRI
D	Blue frame highlights selected output	-
E	Set selected output to False	O***X***/SIG
F	Set selected output to True	O***X***/SIG
G	Apply button	

Table: 8-5 HPHMI Faceplate Main tab Description

8.1.2 bflag_bool_FE_HPHMI_Config

Operation Lock and Manual Inhibit Write Permissions

The Melody faceplates' configuration tab allows checking **Operation Lock** in order to inhibit operator inputs. All buttons will be grayed out. Refer to document 3BDA033456R51xx Installation and Configuration in order to change the default write permission.

Manual Inhibit can be selected to manually inhibit all alarms of this Melody tag.

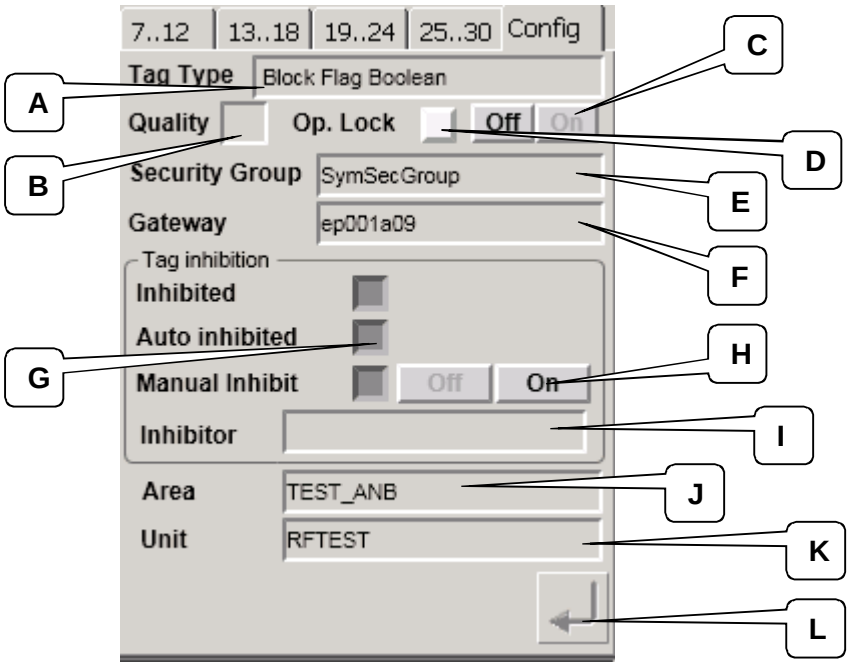


Figure: 8-4 HPHMI Faceplate Config Tab

ID	Comment	Property
A	Text describing the type of the tag	TYPE
B	Character which is providing Melody quality information	QUALITY
C	Buttons allow to switch Operating Lock on and off	Off: AKOR/SIG On: AKO/SIG
D	Binary indicator White color: Op. Lock is On Gray color: Op. Lock is Off	AKO/SIG
E	Text describing the Melody security group to which this tag belongs	SECNAME
F	Text describing the Melody gateway to which this tag belongs	GATEWAY
G	Binary indicators are showing inhibition status (white color = On)	INHB INHBAUTO INHBMAN

ID	Comment	Property
H	Buttons allow to manually inhibit the tag	INHBMAN
I	Information about inhibitor	INHBTAG
J	Text describing Melody area to which tag belongs	AREA
K	Text describing Melody unit to which tag belongs	UNIT
L	Apply button	-

Table: 8-6 HPHMI Faceplate Config tab Description

8.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 8-7 Indicators

8.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 8-8 Aspect Links

8.4 Faceplate Buttons

There are no buttons in faceplate button area. Buttons are part of faceplate elements. Refer to faceplate element chapters for description.

8.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 8-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Boolean

Example	Graphic Element Name	Description
	bflag_bool_HPHMI_AlarmInd	Alarm indication
	bflag_bool_HPHMI_o1_text bflag_bool_HPHMI_o2_text bflag_bool_HPHMI_o3_text bflag_bool_HPHMI_o4_text bflag_bool_HPHMI_o5_text bflag_bool_HPHMI_o6_text bflag_bool_HPHMI_o7_text bflag_bool_HPHMI_o8_text bflag_bool_HPHMI_o9_text	Text indication based on binary signal (Signal O1, O2, O3, O4, O5, O6, O7, O8, O9, O10, O11,O12)

Example	Graphic Element Name	Description
	bflag_bool_HPHMI_o10_text bflag_bool_HPHMI_o11_text bflag_bool_HPHMI_o12_text	
	bflag_bool_HPHMI_o1_valve	Valve symbol based on binary signal (Signal O1)

Table: 8-10 Melody Block Flag Boolean GE

9. BFLAG - Block Flag Clock

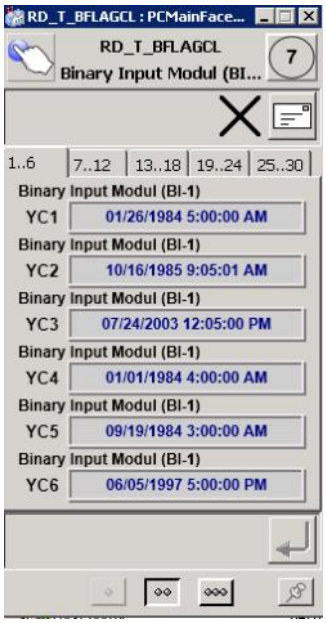


Figure: 9-1 Main View

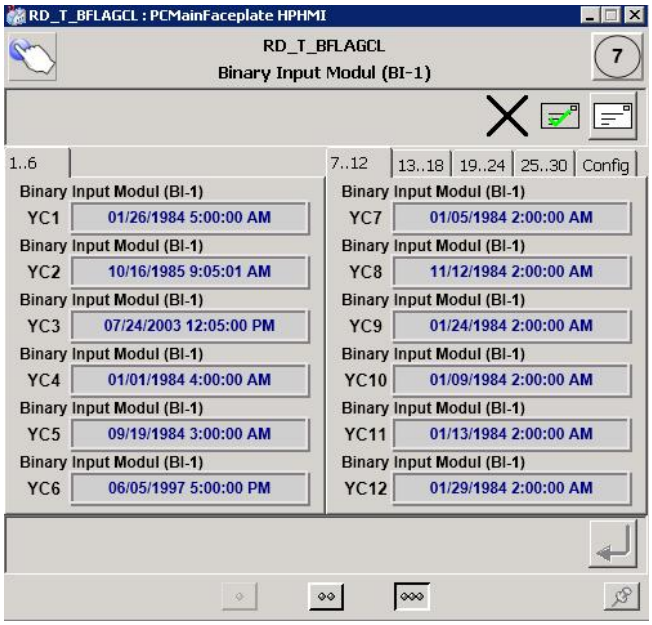


Figure: 9-2 Extended View

Basic information

Name:	PCMainFaceplate HPHMI
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Clock
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 9-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 9-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 9-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_clock_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_clock_FE_HPHMI_07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_clock_FE_HPHMI_13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_clock_FE_HPHMI_19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_clock_FE_HPHMI_25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_clock_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_clock_FE_HPHMI_07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_clock_FE_HPHMI_13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_clock_FE_HPHMI_19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_clock_FE_HPHMI_25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_clock_FE_HPHMI_Config	2	NLSID_PC_Config	EveryOne

Table: 9-4 Faceplate Aspect names

9.1 Faceplate Elements

9.1.1 bflag_clock_FE_HPHMI_xx_yy

This is the main view for the Block Flag Clock object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals.

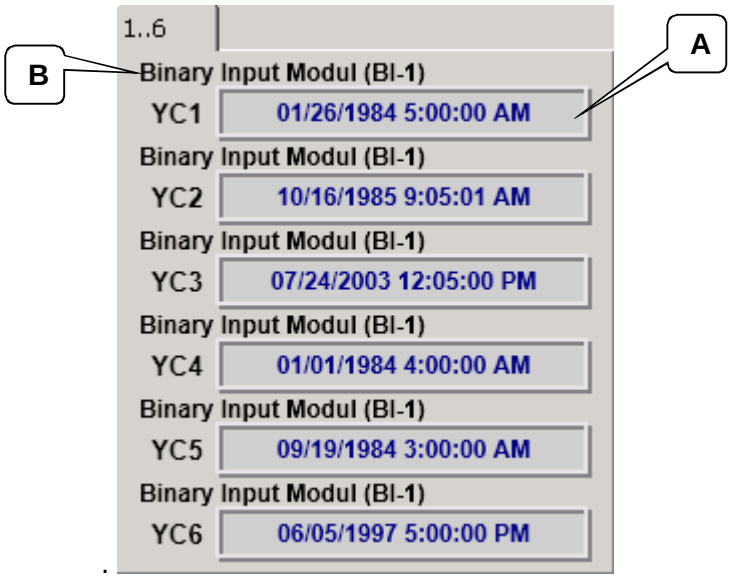


Figure: 9-3 Main Tab

ID	Comment	Property
A	Indication of time clock value for output ***X***	YC***X***/SIG
B	Description of signal for output ***X***	YC***X***/DESCRIPTION

Table: 9-5 Item Description

9.1.2 bflag_clock_HPHMI_FE_Config

Operation Lock and Manual Inhibit Write Permissions

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

9.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 9-6 Indicators

9.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 9-7 Aspect Links

9.4 Faceplate Buttons

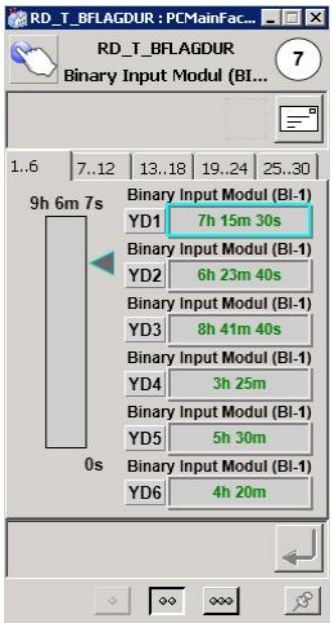
Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 9-8 Faceplate Buttons

9.5 Graphic Elements

There are no HPHMI graphic elements for this object type

10. BFLAG – Block Flag Duration



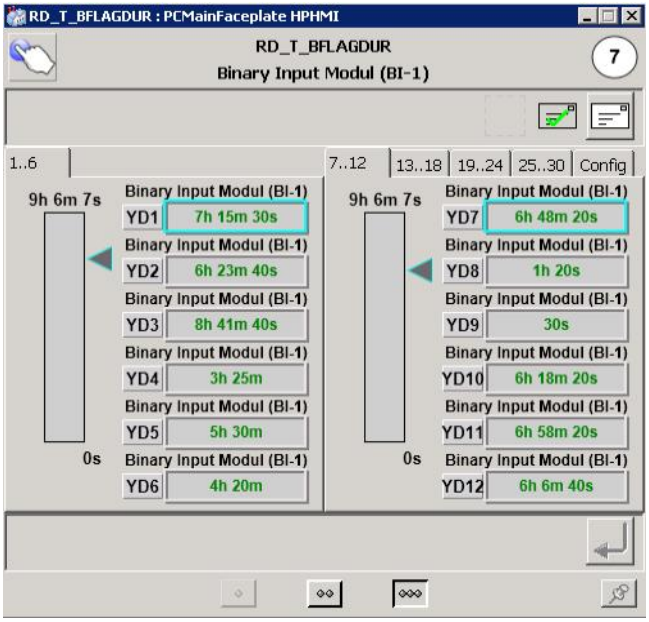


Figure: 10-1 Main View *Figure: 10-2 Extended View*

Basic information

Name:	**PCMainFaceplateHPHMI**
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Duration
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 10-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 10-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 10-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_duration_FE_HPHMI _01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_duration_FE_HPHMI _07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_duration_FE_HPHMI _13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_duration_FE_HPHMI _19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_duration_FE_HPHMI _25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_duration_FE_HPHMI _01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_duration_FE_HPHMI _07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_duration_FE_HPHMI _13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_duration_FE_HPHMI _19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_duration_FE_HPHMI _25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_duration_FE_HPHMI _Config	2	NLSID_PC_Config	EveryOne

Table: 10-4 Faceplate Aspect names

10.1 Faceplate elements

10.1.1 bflag_duration_FE_HPHMI_xx_yy

This is the main view for the Block Flag Duration object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (output presented by bar graph) is highlighted by blue frame.

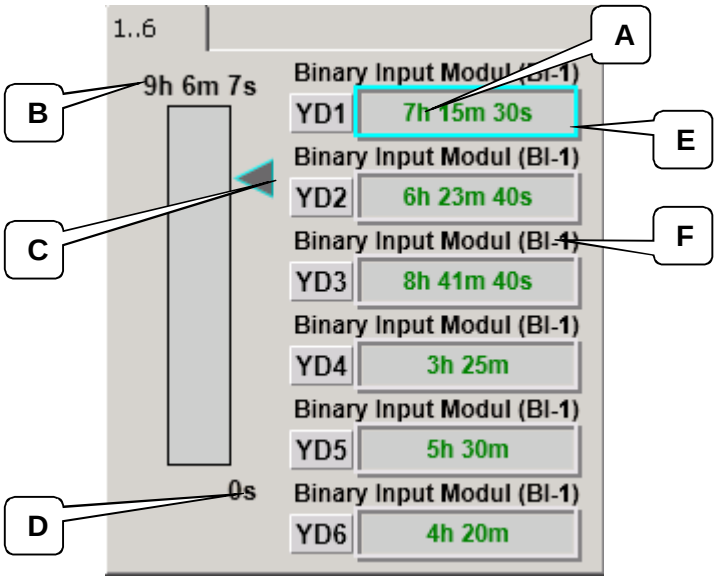


Figure: 10-3 Main Tab

ID	Comment	Property
A	Indication of time value for output *X*	YD*X*/SIG
B	Maximum range of time value	Constant: 9h 6m 7s
C	Bar graph presentation of time value for output *X*	YD*X*/SIG
D	Minimum range of time value	Constant: 0s
E	Selected output is highlighted by blue frame	-
F	Signal description for output *X*	YD*X*/DESCRIPTION

Table: 10-5 HPHMI Faceplate Main tab Description

10.1.2 bflag_duration_FE_HPHMI_Config

Operation Lock and Manual Inhibit Write Permissions

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

10.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 10-6 Indicators

10.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 10-7 Aspect Links

10.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 10-8 Faceplate Buttons

10.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 10-9 Standard Properties for all Graphic Elements

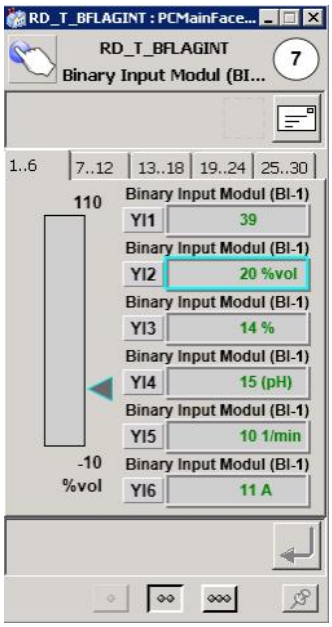
Graphic Elements based on Melody object type BLOCK FLAG DURATION

Example	Graphic Element Name	Description
	bflag_duration_HPHMI_AlarmInd	Alarm indication
	bflag_duration_HPHMI_yd1_numeric	Numeric time indication (Signal YD1)
	bflag_duration_HPHMI_yd1_numeric_op	Numeric time indication (Signal YD1)

Example	Graphic Element Name	Description
04h 31m 40s	bflag_duration_HPHMI_yd2_numeric	Numeric time indication (Signal YD2)
04h 31m 40s	bflag_duration_HPHMI_yd3_numeric	Numeric time indication (Signal YD3)

Table: 10-10 Melody Block Flag Duration GE

11. BFLAG – Block Flag Integer



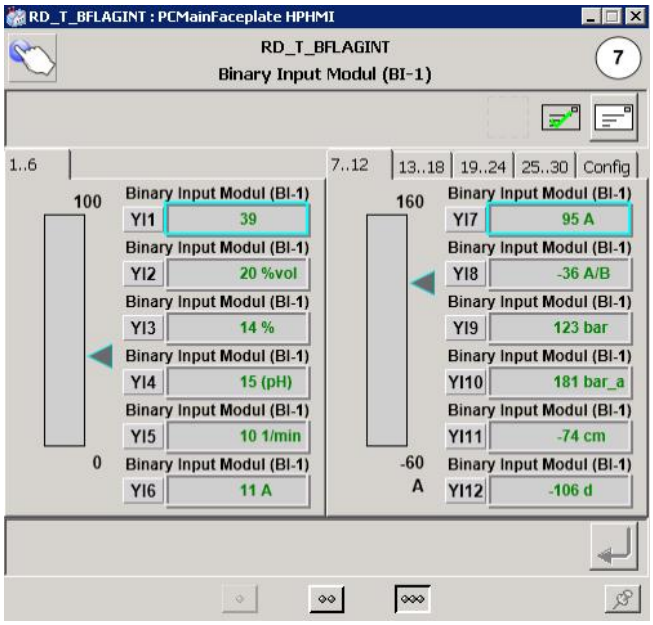


Figure: 11-1 Main View *Figure: 11-2 Extended View*

Basic information

Name:	**PCMainFaceplate HPHMI**
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Integer
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 11-1 Basic Information

Layout

Parameter	**Value**
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 11-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 11-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_integer_FE_HPHMI _01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_integer_FE_HPHMI _07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_integer_FE_HPHMI _13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_integer_FE_HPHMI _19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_integer_FE_HPHMI _25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_integer_FE_HPHMI _01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_integer_FE_HPHMI _07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_integer_FE_HPHMI _13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_integer_FE_HPHMI _19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_integer_FE_HPHMI _25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_integer_FE_HPHMI _Config	2	NLSID_PC_Config	EveryOne

Table: 11-4 Faceplate Aspect names

11.1 Faceplate elements

11.1.1 bflag_integer_FE_HPHMI_xx_yy

This is the main view for the Block Flag Integer object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one presented by bar graph) is highlighted by blue frame.

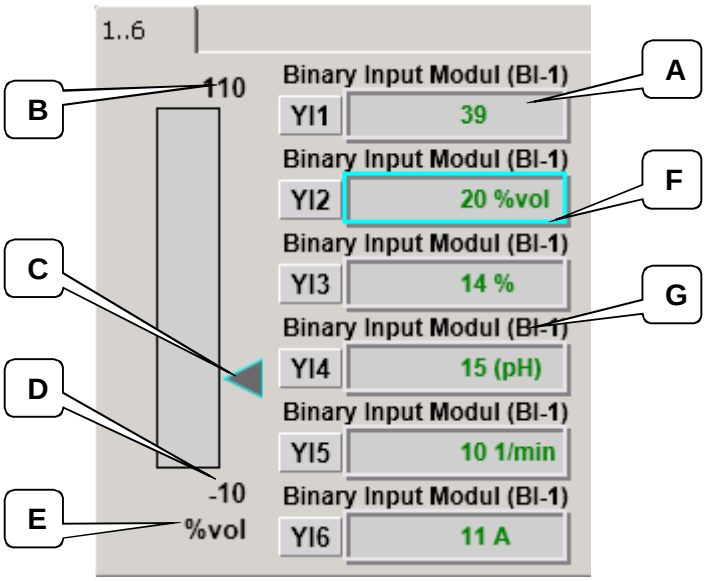


Figure: 11-3 Main Tab

ID	Comment	Property
A	Indication of integer value for output ***X***	YI***X***/SIG
B	Maximum range of integer value for selected output	YI***X***/HIGH
C	Bar graph presentation of integer value for selected output, input possible	YI***X***/SIG
D	Minimum range of integer value for selected output	YI***X***/LOW
E	Unit string for selected output	YI***X***/UNITS
F	Blue frame highlights selected output	-
G	Output ***X*** signal description	YI***X***/DESCRIPTION

Table: 11-5 HPHMI Faceplate Main tab Description

11.1.2 bflag_integer_FE_HPHMI_Config

Operation Lock and Manual Inhibit Write Permissions

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

11.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 11-6 Indicators

11.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 11-7 Aspect Links

11.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 11-8 Faceplate Buttons

11.5 Graphic Elements

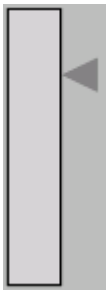
The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 11-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Integer

Example	Graphic Element Name	Description
	bflag_integer_HPHMI_AlarmInd	Alarm indication
	bflag_integer_HPHMI_yi1_bargraph	Bargraph indication (Signal YI1)

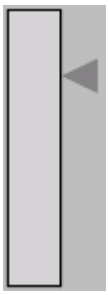
Example	Graphic Element Name	Description
	bflag_integer_HPHMI_yi1_numeric_op	Numeric indication (Signal YI1)
	bflag_integer_HPHMI_yi1_valve	Valve symbol based on integer value (Signal YI1)
	bflag_integer_HPHMI_yi2_bargraph	Bargraph indication (Signal YI2)
	bflag_integer_HPHMI_yi1_text_30 bflag_integer_HPHMI_yi2_text_30 bflag_integer_HPHMI_yi3_text_30 bflag_integer_HPHMI_yi4_text_30 bflag_integer_HPHMI_yi5_text_30	Text indication with 30 states (signal YI***X***)
	bflag_integer_HPHMI_yi1_text_40 bflag_integer_HPHMI_yi2_text_40 bflag_integer_HPHMI_yi3_text_40 bflag_integer_HPHMI_yi4_text_40 bflag_integer_HPHMI_yi5_text_40	Text indication with 40 states (signal YI***X***)

Table: 11-10 Melody Block Flag Integer GE

12. BFLAG – Block Flag Duration

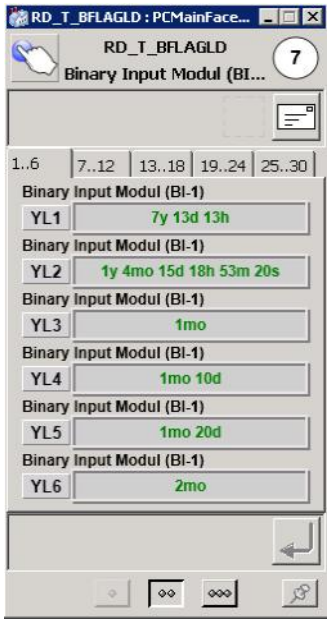


Figure: 12-1 Main View

Figure: 12-2 Extended View

Basic information

Name:	PCMainFaceplate HPHMI
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Long Duration
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 12-1 Basic Information

Layout

Parameter	Value
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 12-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 12-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_ld_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_ld_FE_HPHMI_07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_ld_FE_HPHMI_13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_ld_FE_HPHMI_19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_ld_FE_HPHMI_25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_ld_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_ld_FE_HPHMI_07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_ld_FE_HPHMI_13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_ld_FE_HPHMI_19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_ld_FE_HPHMI_25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_ld_FE_HPHMI_Config	2	NLSID_PC_Config	EveryOne

Table: 12-4 Faceplate Aspect names

12.1 Faceplate elements

12.1.1 bflag_ld_FE_HPHMI_xx_yy

This is the main view for the Block Flag Long Duration object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals.

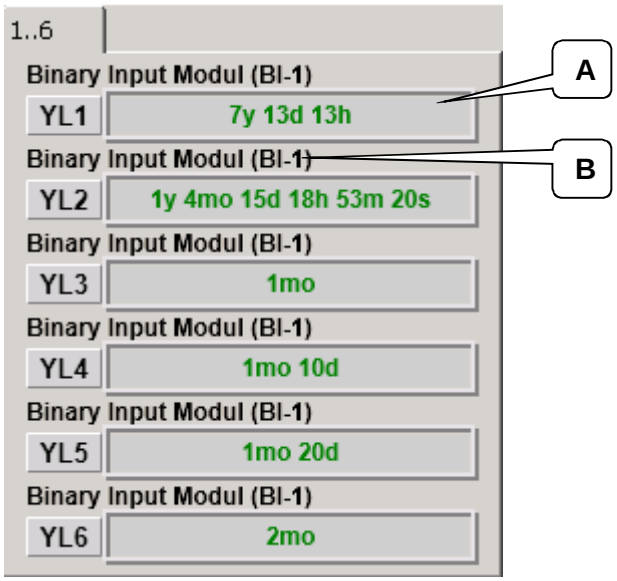


Figure: 12-3 Main Tab

ID	Comment	Property
A	Indication of time value for output ***X***	YL***X***/SIG
B	Description text for signal of output ***X***	YL***X***/DESCRIPTION

Table: 12-5 HPHMI Faceplate Main tab Description

12.1.2 bflag_ld_FE_HPHMI_Config

Operation Lock and Manual Inhibit Write Permissions

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

12.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 12-6 Indicators

12.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 12-7 Aspect Links

12.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 12-8 Faceplate Buttons

12.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 12-9 Standard Properties for all Graphic Elements

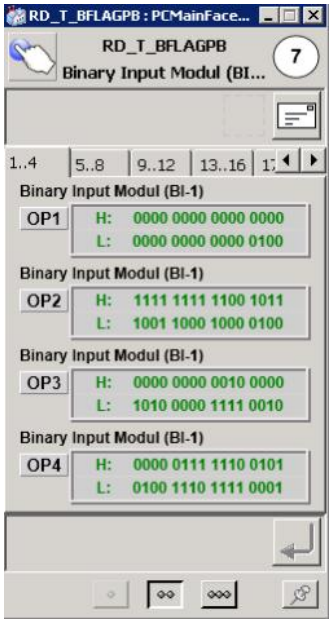
Graphic Elements based on Melody object type Block Flag Long Duration

Example	Graphic Element Name	Description
	bflag_ld_HPHMI_AlarmInd	Alarm indication
	bflag_ld_HPHMI_yl1_numeric	Numeric time indication (Signal YL1)

Example	Graphic Element Name	Description
1y 01mo 04d 00h 03m 50s	bflag_ld_HPHMI_yl1_numeric_op	Numeric time indication (Signal YL1)

Table: 12-10 Melody Block Flag Long Duration GE

13. BFLAG – Block Flag Packed Boolean



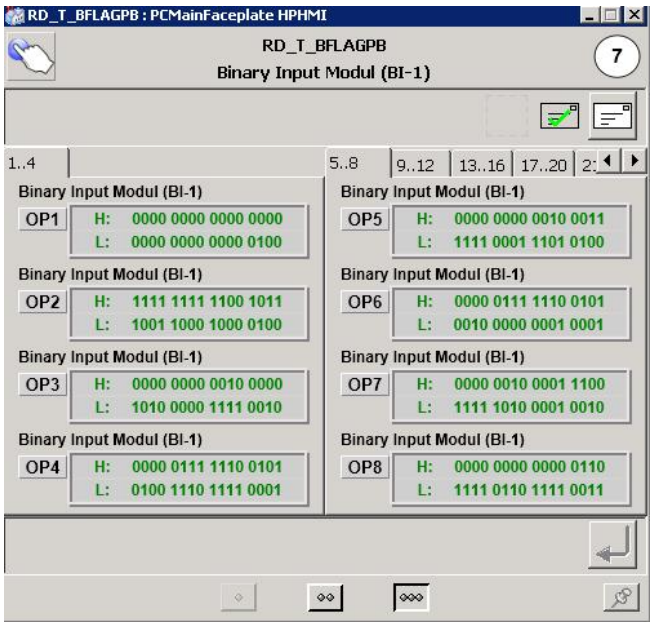


Figure: 13-1 Main View *Figure: 13-2 Extended View*

Basic information

Name:	PCMainFaceplate HPHMI
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Packed Boolean
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 13-1 Basic Information

Layout

Parameter	Value
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 13-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 13-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_pbool_FE_HPHMI_01_04	1	1..4	EveryOne
Main	bflag_pbool_FE_HPHMI_05_08	1	5..8	EveryOne
Main	bflag_pbool_FE_HPHMI_09_12	1	9..12	EveryOne
Main	bflag_pbool_FE_HPHMI_13_16	1	13..16	EveryOne
Main	bflag_pbool_FE_HPHMI_17_20	1	17..20	EveryOne
Main	bflag_pbool_FE_HPHMI_21_24	1	21..24	EveryOne
Main	bflag_pbool_FE_HPHMI_25_28	1	25..28	EveryOne
Main	bflag_pbool_FE_HPHMI_29_30	1	29..30	EveryOne
Ext	bflag_pbool_FE_HPHMI_01_04	1	1..4	EveryOne
Ext	bflag_pbool_FE_HPHMI_05_08	2	5..8	EveryOne
Ext	bflag_pbool_FE_HPHMI_09_12	2	9..12	EveryOne
Ext	bflag_pbool_FE_HPHMI_13_16	2	13..16	EveryOne
Ext	bflag_pbool_FE_HPHMI_17_20	2	17..20	EveryOne
Ext	bflag_pbool_FE_HPHMI_21_24	2	21..24	EveryOne

View	Aspect	Tab	NLS-ID	User role
Main	bflag_pbool_FE_HPHMI_01_04	1	1..4	EveryOne
Ext	bflag_pbool_FE_HPHMI_25_28	2	25..28	EveryOne
Ext	bflag_pbool_FE_HPHMI_29_30	2	29..30	EveryOne
Ext	bflag_pbool_FE_HPHMI_Config	2	NLSID_PC_Config	EveryOne

Table: 13-4 Faceplate Aspect names

13.1 Faceplate elements

13.1.1 bflag_pbool_FE_HPHMI_xx_yy

This is the main view for the Block Flag Packed Boolean object type faceplate. Each main view presents 4 outputs. Operator input is possible and based on access rights to the signals.

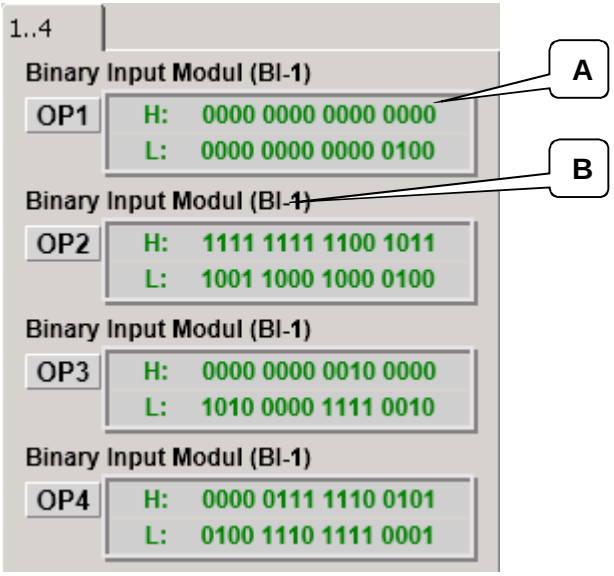


Figure: 13-3 Main Tab

ID	Comment	Property
A	Indication of packed boolean value – High and Low word – for output ***X***	OP***X***/SIG
B	Description text for signal of output ***X***	OP***X***/DESCRIPTION

Table: 13-5 HPHMI Faceplate Main tab Description

13.1.2 bflag_pbool_FE_HPHMI_Config

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

13.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 13-6 Indicators

13.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 13-7 Aspect Links

13.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 13-8 Faceplate Buttons

13.5 Graphic Elements

The following Graphic Elements have the following standard properties and enumeration.

Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 13-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Packed Boolean

Example	Graphic Element Name	Description
	bflag_pbool_HPHMI_AlarmInd	Alarm indication
	bflag_pbool_HPHMI_op1_text	Text indication. 16 different text entries in order of signal OP1 are possible

Table: 13-10 Melody Block Flag Packed Boolean GE

14. BFLAG – Block Flag Real

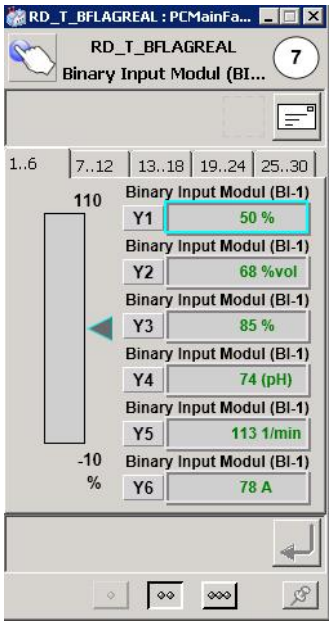


Figure: 14-1 Main View

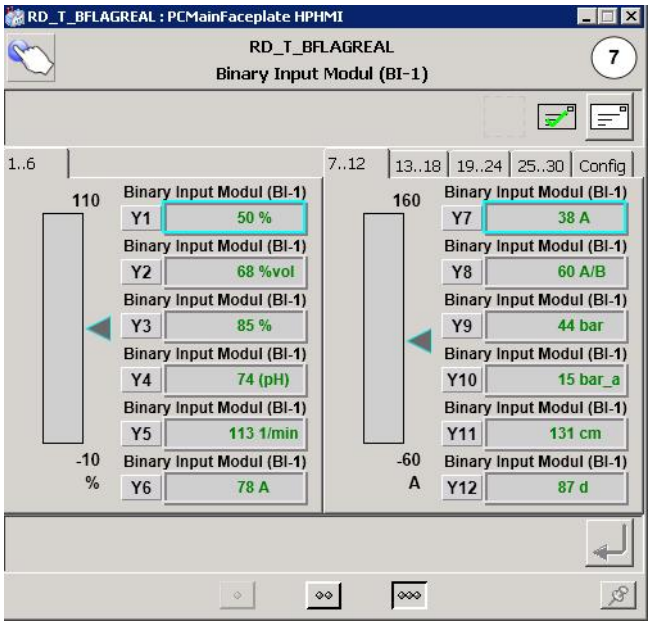


Figure: 14-2 Extended View

Basic information

Name:	PCMainFaceplate HPHMI
Description:	PC HPHMI Main Faceplate
Connect type:	Melody AC870P
Object type:	Block Flag Real
Library:	PCHighPerformanceHMILib 1.0-0
Min. required 800xA version:	SV5.1RevA
Graphics Builder version:	PG2

Table: 14-1 Basic Information

Layout

Parameter	Value
Update rate (ms)	1000
Default view	Faceplate
Faceplate orientation	Horizontal
Reduced View	Not available

Table: 14-2 Layout information

Sizing information

Parameter in pixels	Main View	Ext. View
Width	250 px	500 px
Height	424 px	424 px
MaxNoOfIndicatorRows	1	1
MaxNoOfIndicatorsRerRow	6	12
MaxNoOfButtonRows	1	1
MaxNoOfButtonPerRow	6	12

Table: 14-3 Sizing Information

Elements

View	Aspect	Tab	NLS-ID	User role
Main	bflag_real_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Main	bflag_real_FE_HPHMI_07_12	1	NLSID_PC_Tab_07_12	EveryOne
Main	bflag_real_FE_HPHMI_13_18	1	NLSID_PC_Tab_13_18	EveryOne
Main	bflag_real_FE_HPHMI_19_24	1	NLSID_PC_Tab_19_24	EveryOne
Main	bflag_real_FE_HPHMI_25_30	1	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_real_FE_HPHMI_01_06	1	NLSID_PC_Tab_01_06	EveryOne
Ext	bflag_real_FE_HPHMI_07_12	2	NLSID_PC_Tab_07_12	EveryOne
Ext	bflag_real_FE_HPHMI_13_18	2	NLSID_PC_Tab_13_18	EveryOne
Ext	bflag_real_FE_HPHMI_19_24	2	NLSID_PC_Tab_19_24	EveryOne
Ext	bflag_real_FE_HPHMI_25_30	2	NLSID_PC_Tab_25_30	EveryOne
Ext	bflag_real_FE_HPHMI_Config	2	NLSID_PC_Config	EveryOne

Table: 14-4 Faceplate Aspect names

14.1 Faceplate elements

14.1.1 bflag_real_FE_HPHMI_xx_yy

This is the main view for the Block Flag Real object type faceplate. Each main view presents 6 outputs. Operator input is possible and based on access rights to the signals. Selected output (the one presented by bar graph) is highlighted by blue frame.

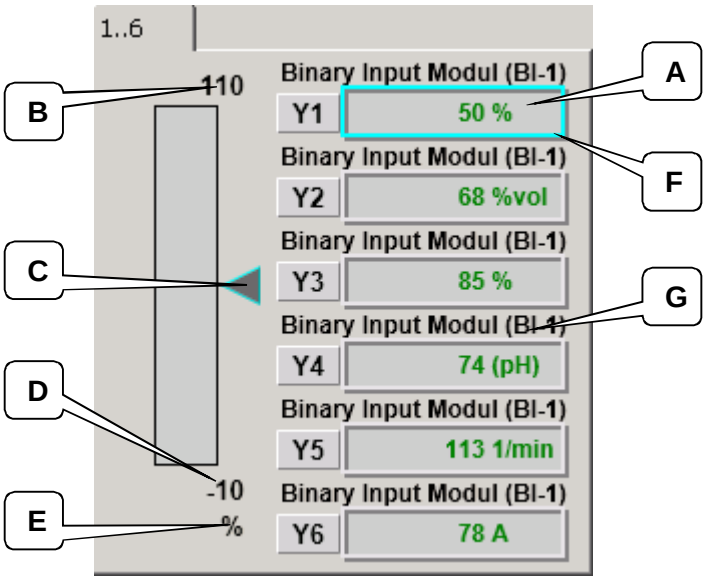


Figure: 14-3 Main Tab

ID	Comment	Property
A	Indication of real value for output ***X***	Y***X***/SIG
B	Maximum range of real value for selected output	Y***X***/HIGH
C	Bar graph presentation of real value for selected output, input possible	Y***X***/SIG
D	Minimum range of real value for selected output	Y***X***/LOW
E	Unit string for selected output	Y***X***/UNITS
F	Blue frame highlights selected output	-
G	Output ***X*** signal description	Y***X***/DESCRIPTION

Table: 14-5 HPHMI Faceplate Main tab Description

14.1.2 bflag_real_FE_HPHMI_Config

Operation Lock and Manual Inhibit Write Permissions

Refer to 8.1.2 bflag_bool_FE_HPHMI_Config

14.2 Indicators

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Operator Lock active	AKO/SIG	-	5	10
	Operator note available		-	-	11

Table: 14-6 Indicators

14.3 Aspect Links

Icon	Description	Aspect	Position		
			Red	FP	Ext
	Operator note	Operator note	-	6	12

Table: 14-7 Aspect Links

14.4 Faceplate Buttons

Icon	Description	Property (Value)	Position		
			Red	FP	Ext
	Apply the selected action	-	-	6	12

Table: 14-8 Faceplate Buttons

14.5 Graphic Elements

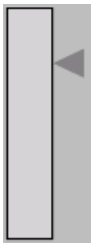
The following Graphic Elements have the following standard properties and enumeration.

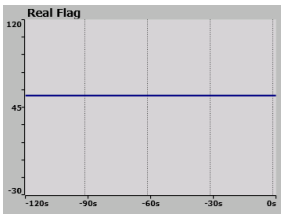
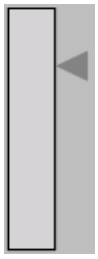
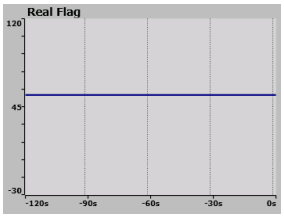
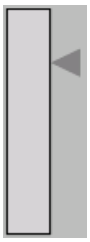
Standard properties

Property	Data type	Default value	Description
EnableInput	Boolean	True	Enables input handling of the element, if false the element it self can't selected.
Name	String	-	Name of the element instance in a graphic display. Is set automatically by the Graphics Builder (Name of the element + index).
Rotation	Rotation	0	Rotation angle
SubscriptionRate	Integer	0	Update rate for all properties subscribed for
Transform	Transform	Empty	Enables animation like scaling, moving and rotation. It is intended only for dynamic values.
Visible	Boolean	True	Visibility of the element in the graphic display.
XPos	Float	-	X position of the upper left corner of the element
YPos	Float	-	Y position of the upper left corner of the element

Table: 14-9 Standard Properties for all Graphic Elements

Graphic Elements based on Melody object type Block Flag Real

Example	Graphic Element Name	Description
	bflag_real_HPHMI_AlarmInd	Alarm indication
	bflag_real_HPHMI_y1_bargraph	Bargraph indication (signal Y1)

Example	Graphic Element Name	Description
	bflag_real_HPHMI_y1_numeric	Numeric indication (Signal Y1)
	bflag_real_HPHMI_y1_trend	Trend indication (signal Y1)
	bflag_real_HPHMI_y1_valve	Valve symbol based on real value (signal Y1)
	bflag_real_HPHMI_y2_bargraph	Bargraph indication (signal Y2)
	bflag_real_HPHMI_y2_numeric	Numeric indication (Signal Y2)
	bflag_real_HPHMI_y2_trend	Trend indication (Signal Y2)
	bflag_real_HPHMI_y3_bargraph	Bargraph indication (Signal Y3)

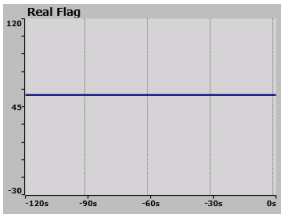
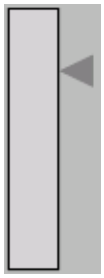
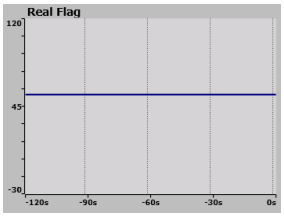
Example	Graphic Element Name	Description
	bflag_real_HPHMI_y3_numeric	Numeric indication (Signal Y3)
	bflag_real_HPHMI_y3_trend	Trend indication (Signal Y3)
	bflag_real_HPHMI_y4_bargraph	Bargraph indication (Signal Y4)
	bflag_real_HPHMI_y4_numeric	Numeric indication (Signal Y4)
	bflag_real_HPHMI_y4_trend	Trend indication (Signal Y4)
	bflag_real_HPHMI_y5_numeric	Numeric indication (Signal Y5)
	bflag_real_HPHMI_y6_numeric	Numeric indication (Signal Y6)

Table: 14-10 Melody Block Flag Real GE

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