PLANNING AND INTEGRATION INFORMATION

LB8106*

Integration in Honeywell Experion[®] Process Knowledge System (PKS)





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1 Introduction

This document describes how to integrate the GSE file of the LB Remote I/O System into the Honeywell Experion[®] Process Knowledge System (PKS) and how to make the I/O data usable in the C300 controller via configuration in the **Control Builder**.

This document provides system-related information that is not included in the manual of the device itself.

Software and Hardware Revisions

Product Name	Revision
Honeywell Experion [®] Process Knowledge System	Release 400/410
LB8106*	FW 6.27
GSE file CGV61711.gse	V 1.11



2

Configuration of the PROFIBUS Gateway Module (PGM)



Add a PROFIBUS Gateway Module to the Control Builder

- 1. Open the Configuration Studio and choose Control Strategy.
- 2. Choose Configure process control strategies in the right window pane.



→ The **Control Builder** opens.

 To add a PROFIBUS gateway module with two links, choose File > New > Interface Modules > PGM2 - Profibus Gateway Module (2 Links) in the menu of the Control Builder.







4. Enter a Tag Name and the Device Index of the PROFIBUS gateway module. In general, the device index is the last octet of the IP address, which must match the number adjusted with the switches on the module. If the module is used in redundant configuration, activate the Module is redundant check box.

Note that the device index of a non-redundant module or of the primary PROFIBUS gateway module is an odd number and the device index of the backup PROFIBUS gateway module in a redundant installation is the next higher even number. For example, if the device index of the primary PROFIBUS gateway module is 57, the device index of the redundant PROFIBUS gateway module is 58.

YSTEM:PGM2 Block, PGM2_15403 ·	- Parameters [Project]				? ×
Soft Failures PDA Statistics Main System Time	Server History Server Statistics CDA Statistics	er Displays Control Confirma Hardware Information F	ation TE	QVCS Í UDP/TCP	Identification
Tag Name Pi Item Name Application Image Version	SM2_TEST				
Controller Command	ONE				
Network Address Configuration Device Index 57	2	Redundancy Configuration	1		
Ethernet IP Address 192	2.168.5.57	Secondary Tag Name			
State Information Platform State NO	ITLOADED	Advanced Configuration			
Redundancy Role UN	IDEFINED	Temperature High Alarm (degC)	80		_
Synchronization State		CPU Free Low Alarm (%)	20		
O Soft Failures Present (See Soft Fa	ailures Tab for details)	CPU Free Low Low Alarm (%)	10		
WARNING When enabled, the PGM2 module m save devices that are on control.	ay be shuldown with configured	Lz.			
Show Parameter Names			OK	Cancel	Help

→ The PROFIBUS gateway module appears in the **Project** window of the **Control Builder**. Note that the tag name of the PROFIBUS gateway module and the PB links can be changed at any time.





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Configure the PROFIBUS Gateway Module

Note!

This operation must be repeated for each PB link.

1. Double-click the PB link in the **Project** window of the **Control Builder**.

→ The **Parameters** window appears.

- 2. Choose the Field Network Configuration tab.
- 3. Double-click the PROFIBUS Gateway.

SYSTEM:PBLINK Block, PBLINK_15404 - Parameters [Project] Main Field Network Configuration Field Network Status Slave Status Server Histor Image: Image
Profibus Gateway[Profibus Gateway]<1>(#1)

 \mapsto The **Configuration** window appears.



4. Click Scan in the Configuration window.

After the access path has been found, activate its check box in the first column and click **Apply**.

IO Device: Profibu: Vendor: Honeyv	s Gateway vell			Device ID: Vendor ID:	0x0004 	2
Navigation Area			Device	e Assignmen		
Settings	Scan progress: 1/2	L Devices (Current dev	rice: -)			
TCP/IP Driver for netX						Scan
Configuration	Device selection:	suitable only	Ŧ			-
Bus Parameters	Device	Hardware Port 0	Serial n	Driver	Channel Protocol	Access path
Process Data Address Table	NE TX CHI	-1-1-1-	62	ODM HONX		\192.16.
Station Table						
Master Settings						
	_					
		2				
	Access path:	(E240AB2F ² A	BA-4C51-90	DE-5478FF926BE	B}\192.168.5.57\Chanr	nel0
			_			
				OK	Cancel Apply	Help

5. To close the window, click OK.

→ If the compare parameters function is enabled in the preferences of the **Control Builder**, the **Compare Parameters** window appears. If so, you can close this window by clicking **OK**.

If the scan is not working correctly, this might have the following reasons:

- The firmware of the control firewall (CF9) is too old. In order to support PROFIBUS gateway modules, the firmware version "CC" or newer is required.
- The field unit and the PROFIBUS gateway module must be within a visible IP address range. This means that the subnet mask must allow direct exchange of IP packages between the field unit and the PROFIBUS gateway module.

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3 Configuration of the PROFIBUS Slave

3.1 Import GSE File in Device Catalog

Import GSE File

The first step in order to integrate a PROFIBUS slave into a PROFIBUS master system is the integration of the GSE file of the slave into the engineering system of the master application.

 Copy the GSE file of the PROFIBUS slave in the following directory: C:\ProgramData\SYCONnet\PROFIBUS\GSD

Because the device catalog is updated automatically with the content of this directory, it is sufficient to copy the GSE file in this directory.

In general, this is a hidden directory. We recommend that you enter the path manually in **Address** field of your file explorer or that you activate the display of hidden directories in the system settings of your operating system.



 To display the slaves with their correct pictures, copy the corresponding image files into this directory as well:
 All Descent Picture (Stream of the Stream o

 $\texttt{C:\ProgramData\SYCONnet\PROFIBUS\GSD}$

3. Double-click the PB link in the **Project** window of the **Control Builder**.

→ The **Parameters** window appears.

- 4. Choose the Field Network Configuration tab.
- 5. Click the **Refresh** icon in the **Parameters** window of the **PROFIBUS** gateway module to update the device catalog.

STEM	:PBLINK Block, PBLINK_15404 - Parameters [Project]				
lain ∶C≓	Field Network Configuration Field Network Status Stave Status	Server History	Server Displays	Control Confirmation	Identification
	Profibue Gateway(Profibus Gateway)<1>(#1)		CIF104 CIF304 CIF504 CIF604 CIF604 CIF951 COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C COM-C C C COM-C C C C C C C C C C C C C C C C C C C	P-DPS DPS / CIF104-DPS /-F DPS DPS DPS DPS DPS DPS B-DPS B-DPS DPS DPS DPS	

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→ The GSE file has been imported into the device catalog.

3.2 Add a PROFIBUS Slave to the Network

Once the GSE file has been imported into the device catalog and the PROFIBUS slave is listed in the catalog, it can be added to the PROFIBUS line.



Add a PROFIBUS Slave

1. Drag the PROFIBUS slave from the device catalog and drop it on the PROFI-BUS line in the left window pane.



→ The field unit is added to the PROFIBUS line and the address is defined automatically.

 Nevertheless you can define the address for the PROFIBUIS slave manually. To do so, double-click the PROFIBUS gateway to open the Configuration window. Then choose Configuration > Station Table and enter the address of the PROFIBUS slave in the Station Address column. See chapter 3.7

SYSTEMPTILINE Block, POLINE_1540	Configuration - Profibus Gateway(Profibus (Gateway] <t>(#1)</t>		
Main Field Network Configuration	Vendor: Honeywell	Device Vendor	ID: 0x0004 ID:	х
	Navigation Area 🛄	Station T	thic	
Profileus Guter av/Pro	Colippe Cover assortion Colippe Cover for encor Covers assortion Covers assortion	E Staton	Name 8 806 DP/DP/1 Renot P	Verder epperl+Fuchs GrobH

3. Click **Apply** to apply the new address to the PROFIBUS slave and click **OK** to close the window.



Configuration of the Remote I/O Module Structure



3.3

Define the Structure of the Remote I/O Modules

- 1. Double-click the PROFIBUS slave.
 - → The **Configuration** window opens.
- Choose Configuration > Modules.. This window enables you to define the structure of the remote I/O modules of the PROFIBUS slave.

	10 Device: Vendor:	LB/F8 8x06 DP/DPV1 Remote 3 Pepperi+Fuchs GribH	,	Device ID: Vendor ID:	0×1711 •	
	Navigation Area 🧮			Aodules		
Deaffraid Category (Deaf	Configuration	Available Modules:				
Protoco Giteway(Prot	Modules	Module name	M	odule Configuration Idea	tin	
	Parameters	COM Unit without data	0	:00	1907 St.	
	Groups	COM: GL-Status + Command R	eg. 0:	31		
	Extensions	COM: Mod. Status (1 Bit/Mod.)	0	(15		
LB/FB 8x06 CP/C	DPVI	COM: Cried + Status + Modst	abus 0:	C0,0x01,0x07		
1000-000	Device Description	Empty Slot	0	00		
	GSD	1X01 Digital Input 2-channels	0.	40		
Latent dad		1 1XU2 Digital Input 3-channels		au		
		Configured Modules:			Insert	Appen
		Slot Hockde name		Module Continued	tion Identifier	21015
2		Length of input/output data:	0 bytes (max. 240 by	es)		Reno
		Length of input data: Length of output data:	0 bytes (max. 240 byt 0 bytes (max. 240 byt 0 (max. 40)	80) 86)		

- To configure a remote I/O module, select a module from the Available Modules list and click Insert to add the selected module to the Configured Modules list.
- 4. Click Apply to confirm the current structure and click OK to close the window.



Note!

Note the following guidelines when setting up the structure of the remote I/O modules:

- All GSE-based configurations use single width modules. Thus, double width modules that occupy two slots must be configured like a single width module, followed by an empty slot. Note that the last slot must not be an empty slot. If the last remote I/O module is a double width module, it is configured like a single width module and the following empty slot is omitted.
- The configuration must start with the com unit, no matter if it is used with or without diagnostic data.
- On backplanes that contain a second slot for a redundant com unit, slots 1 and 2 must be configured as empty slots and the numbering of the remote I/O modules starts with slot 3. For example, the redundant base backplane LB9022A provides 22 slots for remote I/O modules, numbered from 3 to 24.
- Because the numbering of the PROFIBUS master starts with module number 1 instead of 0, there is a module offset between the numbering in the PROFIBUS configuration of the master and the module numbering used on the Pepperl+Fuchs backplanes.



3.4 Rename Net Tags for Process Data of the PROFIBUS Master



Note!

This section applies only to release version 400 of the Honeywell Experion[®] Process Knowledge System (PKS). The numbering of the process data for each module always starts with **Input_1** respectively **Output_1**, depending on the type of the remote I/O module. These marks are called net tags.



Rename Net Tags

1. Double-click the PROFIBUS gateway.

 \mapsto The **Configuration** window opens.

- 2. Choose Configuration > Process Data.
- 3. Rename the first data definition (input or output) of each module to a unique name.



4. Click Apply to apply the new net tags and click OK to close the window.

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Example!

	Navigation Area	Process Data	
Politius Gateway(Pro	serings Characterian Top Debute for netX Top Debute for netX Top Debute for netX Dup Parameters Configuration Configuration Minute Settings Minute Settings	Inter Top Image: Status + Mod_status < Status + Mod_status	

- Input_1 of the com unit is the first byte of the global status register and thus it is renamed to STATUS.
- **Output_1** of the com unit is the first byte of the command register and thus it is renamed to **COMMAND**.
- Input_1 of the digital input on slot 4 is renamed to DINSL4.
- **Input_1** of the analog input on on slot 6 is renamed to **AINSL6** and so on.



Parameterization of the Remote I/O Modules



3.5

Parameterize the Remote I/O Modules

1. Double-click the PROFIBUS slave.

 \mapsto The **Configuration** window opens.

- 2. Choose Configuration > Parameters.
- 3. Select a remote I/O module from the drop-down list.



 \mapsto The parameters of the selected remote I/O module are available for editing in the list below. Configure the parameters for each remote I/O module as required.

4. Click **Apply** to apply the current configuration and click **OK** to close the window.



3.6 Download the Configuration to the PROFIBUS Link

After the configuration has been completed, it must be downloaded to the PROFIBUS link.



Download Configuration to PROFIBUS Link

- 1. Select the PROFIBUS link in the **Project** window of the **Control Builder**.
- 2. Click the green arrow icon in the menu or right-click the PROFIBUS link and select LOAD.





3.7 Set PROFIBUS Address for PROFIBUS Slave

You can use the PROFIBUS master to identify the current addresses of each PROFIBUS slaves. Note that this option is available only if the master is offline.



Define PROFIBUS Address for Slave

1. To identify the current addresses of the PROFIBUS slaves, right-click the PROFIBUS gateway and select **Network Scan**.



→ The hardware that is currently connected to the PROFIBUS gateway is displayed.

Station Add Device Type ID	Sub Device Type DTM to Use Device Class	DTM Device	Quality	Action
86 5905 (0x0000171	1) n/a Use Hilscher gene Not Specified LB/	FB 8x06 DP/DPV1 Remo	[3] Generic for	Skip
	Information of hardware device	Informal	tion from DTM	A
	Information of hardware device	LB/FB 8x06 DP/DP	tion from DTM /1 Remote IO	
	Information of hardware device	Informal LB/FB 8x06 DP/DP\ GSDDTM.DTMDev.	tion from DTM /1 Remote IO 1	A
	Information of hardware device	LB/FB 8x06 DP/DP GSDDTM.DTMDev.	tion from DTM /1 Remote ID 1	
Pevice	Information of hardware device 	LB/FB 8x06 DP/DP\ GSDDTM.DTMDev: Pepperl+Fuchs Gmbl	tion from DTM /1 Remote IO 1	
	Information of hardware device	LB/FB 8x06 DP/DP\ GSDDTM.DTMDev: Pepperl+Fuchs Gmbl 5905 (0x00001711)	tion from DTM /1 Remote IO 1 H	
- Tevice - TM Progld Nation Address Veridor Jevice Type ID Livido Device Type	Information of hardware device	LB/FB 8x06 DP/DP, GSDDTM.DTMDev: Pepperl+Fuchs Gmbl 5905 (0x00001711) n/a	tion from DTM /1 Remote IO 1 H	

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2. To define a new address for a PROFIBUS slave, right-click the PROFIBUS gateway and select Additional Functions > Set Station Address.



 Select the address you want to change from the Current station address drop-down list and enter the new address in the New station address field.

Set Station Address - Profibus Gateway[Profibus Gateway]<1>(#1)	
Current station address: 86	
New station address: 96	
No additional changing	
Remote slave parameter:	
	<u>^</u>
r	-
	Þ
	_
Set address	Cancel

4. Click Set address to confirm the address change.



4

Configuration via Device Support Block (DSB)

The data from the LB/FB remote I/O modules that is transmitted to the PROFIBUS master can be interpreted by the CEAGDSBDP device support block. This device support block is already included in the Honeywell Experion[®] Process Knowledge System.



Setup Configuration via Device Support Block (DSB)

- 1. Drag the CEAGDSBDP device support block from the Library window on the PB link in the **Project** window of the **Control Builder**.
- 2. Enter a name for the new instance of the function block.

	Т	ag Names		Item N	lames
	Source		estination	Source	Destination
_	CEAGDSBDP_15407	LB_SL86			
			-		
-	e the name in the destination only more	to the new			
ang	e the name in the destination column I name or accept the default.	n to the new			Find/Replace
ang	e the name in the destination column I name or accept the default.	n to the new			Find/Replace
ang	e the name in the destination column I name or accept the default.	n to the new			Find/Replace
iang sirei	e the name in the destination column I name or accept the default.	n to the new			Find/Replace

→ A new instance of the function block is added below the PB link in the **Project** window.



3. Double-click the new instance of the function block in the **Project** window.

→ The **Parameters** window opens.

4. Choose the **Main** tab.



5. Enter the slave address as well as the connection break time. In general, the connection break time is set to 5 seconds. During this time the controller will not invalidate the input data, if the slave is not answering.

lag Name	LB_SL86	_		
em Name				
lescription				
lave Address	86	Alarming Enabled		
Device Type		Slave State	Idie	
ield Network Number	Einfel conferents, 1	Connection lost counter	0	
Connection Break TimeDut(Se	ac [S]	E Reset courters		
	₽ _{\$}			
	l _é			
	L ₆			

- 6. Choose the PDC tab.
- Assign the PDC types of the device support block to the entries of the process data table. Each input and output value that is used for process control must be assigned to a PDC type. For a complete list of all remote I/O modules and possible PDC assignments, see chapter 7.

: Main						1
PDC Type of the C	EAG DSB	PDC Description	Net Tag	Name Ho	old on failure	Numb .
Not Configured	×				1	
Not Configured	1					3
1x01 (2DI LFD)	-					3
1x02 2888 (3D1 LFD)	-					
6x05 6x1y (4DI)	-			H		<u></u>
- 6x06 (8DI)	-			H		<u></u>
4x04-5 (40) for 4x04-5 AL	(LFD)			ă		
3/04/5 (4ALLED + LZD)				H		
5x01-2 (1AJ LFD)				Ē		8
5x04-5 (4A) LFD)						3
5x06 (1Al)					1	3 -
COM Status (2NI Comm N	m Morkele Covel					1
6x01 2xxx (2D0)	- moone crimit				1	8 1
6x05 6x1y (4D0 DINV)						
EXOE EXOS (SDO DINV)	-					
4801-2 (1/0)	-					
[man a lone]		17				
nnel Main	Channel Tur	- Control Da	- Yours	Law Barray	L Hotel Br	
Channel Description	Unannel Typ	e Channel Da	a Type	Low hange	- High Ba	nge
-	Not contrained	Not configured	0		0	
-	Not configured	Not configured	0		0	
	Not configured	Not configured	0		0	
	Not configured	Not configured	0		0	
	THOU CONSIGNED				0	
	Not configured	Not configured	10		10	
	Not configured Not configured	Not configured Not configured	0		0	





8. To avoid errors, enter the low range and high range for the global status register. Note that it is not used as an analog value.

	PDC Type of the CEAG D	PDC Description	Net Tag Name	Hold on failure	Number of Channels	-
)	COM Crind Reg (2NO Com		CMD	0	2	
	COM Status (2N) Comm M		STATUS		2	
2	1x08 6x08 [8D1 LFD]		DINSL4	0	8	
1	3x04-5 (4ALLFD+LZD)		AINSLE	Π	4	
	Not Configured			D	8	
5	Not Configured			П	8	
;	Not Configured				0	
7	Not Conligured			0	8	
R	Not Configured				8	
3	Not Configured				8	1
0	Not Configured				8	
1	Not Configured			0	0	
2	Not Configured				8	
3	Not Configured				8	
4	Not Configured				8	
5	Not Configured				8	
6	Not Configured				8	+
ĩ	An De Le Constant			-	100	
-						
	nel Main					_
	Channel Description	Channel Type	Channel Data Type	Low Range	High Bange	
		Numeno input INIT	UINT8	10000	50000	

9. We recommend that you activate the check box **Hold on failure** for all outputs.

	PDC Type of the CEAG D	FDC Description	Net Tag Name	Hold on failure	Number of Channels	*
)	Not Configured				8	
	COM Status (2NI Comm M	1	STATUS	0	2	
	1x08 6x08 (SDI LFD)		DINSL4	Ē	8	
1	3x04-5 (4AI LFD+LZD)		AINSLG	6.	4	
	6x01.2xxx (20.0)			Z	2	
	Not Configured			<u></u> _	8	
5	Not Conligured				8	
7	Not Configured			C '%	8	
3	Not Configured				8	
9	Not Configured				8	
0	Not Configured				8	0
1	Not Conligured				8	-
2	Not Conligured		2		8	
3	Not Configured				8	
4	Not Configured				8	
5	Not Configured				8	
6	Not Configured				8	+
a	11 A.S. 1 A.			6		
	and the second					
har	nel Main	1	1	1	1	100
	Channel Description	Channel Type	Channel Data Type	Low Range	High Bange	-
1		Digital output (DD)	Doolean	0	0	
1		Digital output (DD)	Boolean	0	0	

10. After the configuration has been completed, download the configuration to the controller. Make sure the new instance of the function block is selected in the **Project** window of the **Control Builder**. Then click the green arrow icon in the menu bar.



Note!

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The total number of PDCs that can be used for one field unit is limited to 24. Bidirectional remote I/O modules that have both inputs and outputs require two PDCs, even if they are used as inputs or outputs only. This means that if using such bidirectional remote I/O modules, the total number of remote I/O modules per field unit is actually lower than 24.





5

Usage of Remote I/O Data in PROFIBUS I/O Module Block

To use the remote I/O data in a functional diagram, a PROFIBUS I/O module block (PIOMB) must be added and assigned to the C300 controller in which the data will be used.



Note!

The data from all slaves that are connected to one PROFIBUS gateway module (both links) can be used in one C300 controller only.



Configure PROFIBUS I/O Module Block

To add a new PROFIBUS I/O module block, choose File > New > I/O Modules > PGM_IF > PIOMB - Profibus I/O Module Block in the menu of the Control Builder.



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 Assign the PROFIBUS I/O module block to a PDC of a device support block. To do so, click ... next to the PDC Name Reference field to select a specific PDCs of a specific device support block.

In the screenshot below, the PROFIBUS I/O module block is assigned to PDC number 3, which is a 4 channel analog input at slot 6. \rightarrow See image on page 20

ain Module Configur	OMB_TEST1 - Para ation Channel Config	meters [Project] uration Runtime Data Server History Server Displays Control Confirmation QVCS Identific
Tag Name Item Name Module Description ID Module Type PDC Name Reference PGM Name PDC Subscription Rate	PIOMB_TE Profibus I/I 50_me 50_me Points Selection Points Type IS1_SL87 D56 IS1_SL87 D56 IS1_SL87 D56	ST1 D Module Block SS Control Link/EE SS Control Link/EE Parameters PDC1 PDC2 PDC2 PDC2 PDC2 PDC2 PDC3 PDC3 PDC5 PDC5 PDC5 PDC6 PDC5 PD
	Point Name:	LB_SL86 Parameter: PDC3
	Selected Item:	LB_SL86.PDC3
		OK

3. Click **OK** to confirm the selection.



Assign PROFIBUS I/O Module Block to Controller

1. Add an input block to the functional diagram.



2. Double-click the channel block.

→ The **Parameters** window opens.

3. Choose the Main tab.

4. Select the PROFIBUS I/O module block from the **Module Name** drop-down list in the **Channel Block to Module Assignment** area. Select an empty channel from the channel list and click **Assign Channel Block**.

Monito	ring Parameters	Block Prefer	ences	Template Defining
Main	Identification	Dependencies	Block Pins	Configuration Parameter:
Channel Block C	onfiguration			
Channel Name	PBAICHANNEL	A Execution (Order in CM 10	
Channel Block to	IO Module Assignment			
Module Name	PIOMB_TEST1	 Module Type Profil 	bus I/O Module Block	•
		Cha	nnel Number Chann	el Name
			CM_15410.PBAICHAN	INELA
Assigned to Mod	dule PIOMB_TES	T1 2		
Assigned to Cha	nnel ()			
	Assign Channel Ripply			
Select an empty	channel in the list hox at righ	and press the		
"Assign Channe	Block" batton above.			
	Unassign Channel Block	1		
Select the chan at right and pres	nel containing this channel blo s the "Unassign Channel Blog	ck in the list box		
at right and prov				

 \rightarrow The data of the remote I/O module is assigned to the controller and can be used for process control.



6 Diagnostics

To access the diagnostic information, you must switch from the project view to the monitoring view.

Model of rule = Assignment CE [r/det fixme to Search ■ <td< th=""><th>2511552-1515 51199 March 2018 EST2 FEB 201900 Main Feld Nemon Configuration Judd Nemon</th><th>tfers [Maaslassa]</th><th>/DPVE Remote EQLB/FB</th><th>다 (오) 8x06 DP, DP1 Remote 10] : 86 5</th><th>Criter Name to Search Criter Name to Search • , \$90 00045 • , \$90 00045 • , \$90 00015 • , \$90 000005 • , \$90 00005 • , \$90 00005 • , \$90 00005 • ,</th></td<>	2511552-1515 51199 March 2018 EST2 FEB 201900 Main Feld Nemon Configuration Judd Nemon	tfers [Maaslassa]	/DPVE Remote EQLB/FB	다 (오) 8x06 DP, DP1 Remote 10] : 86 5	Criter Name to Search Criter Name to Search • , \$90 00045 • , \$90 00045 • , \$90 00015 • , \$90 000005 • , \$90 00005 • , \$90 00005 • , \$90 00005 • ,
R PELNEVERSH		10 Dencer: Light Vendor: Pape Nangation Area Dagnosis Dagnosis Extended Diagnosis	B Build DH(DHY3 Remote 10 ent+Puchs Goddt Namber Diagnostics BAW Birth, Suido 1 Device relat 2 Device relat	Device ID: 0x1711 Vendor ID: - Extendent Diagnesis Persopi 0x00, 0x00, 0	
11 Freijert 15 Montoning Televary Conference (41 Televary Conference)			4	Ŀ.	Ľ
+ 30 A88 + 30 AGA + 30 AUAMA + 30 AUAUARY + 30 CHEM_UB + 30 DATACO		P Connected Q Device		Update Carlot A	- 3000 - 1460



Access Diagnostic Information

- 1. To switch from the project view to the monitoring view, click the **Monitoring** tab.
- 2. Double-click the PROFIBUS link in the Monitoring window.

→ The **Parameters** window opens.

- 3. Choose the Field Network Configuration tab.
- 4. Make sure that the PROFIBUS gateway and the remote I/O field unit are online.
- Double-click the remote I/O field unit to open the Diagnostic window. Then choose Diagnosis > Extended Diagnosis and click Start respectively Stop to start or stop the update of the diagnostic information.





7

Overview of all PDC Types

LB/FB Remote I/O Module	PDC Type Honeywell Experio	on Release 400/410
	Input	Output
1x01	1x01 (2DI LFD)	_
1x02	1x02 2xxx (3DI LFD)	—
1x03 (Frequency Measurement)	5x06 (1Al)	_
1x03 (12 Bit Counter)	(not yet supported in this release of the DSB)	_
1x03 (32 Bit Counter)	(not yet supported in this release of the DSB)	_
1x03 (32 Bit Counter + Freq.)	(not yet supported in this release of the DSB)	_
1x07	(not yet supported in this release of the DSB)	_
1x08	1x08 6x08 (8DI LFD)	_
1x09	1x08 6x08 (8DI LFD)	—
1x14	(not yet supported in this release of the DSB)	_
1x15	(not yet supported in this release of the DSB)	_
2хуу	1x02 2xxx (3DI LFD)	6x01 2xxx (2DO)
3x01	3x01-3 (1AI LFD+LZD)	_
3x02	3x01-3 (1AI LFD+LZD)	_
3x02 + PV	(not yet supported in this release of the DSB)	_
3x02 + PV + SV	(not yet supported in this release of the DSB)	_
3x02 + PV + SV + TV	(not yet supported in this release of the DSB)	_
3x02 + PV + SV + TV + QV	(not yet supported in this release of the DSB)	_
3x04	3x04-5 (4AI LFD+LZD)	_
3x05	3x04-5 (4AI LFD+LZD)	_
3x06	3x04-5 (4AI LFD+LZD)	-
3x07	3x04-5 (4AI LFD+LZD)	_
4x01	_	4x01-2 (1AO)
4x02	_	4x01-2 (1AO)
4x03	—	4x01-2 (1AO)
4x04	(4DI for 4x04-5 AO LFD)	4x04-5 (4AO)
4x05	(4DI for 4x04-5 AO LFD)	4x01-5 (4AO)
4x06	(4DI for 4x04-5 AO LFD)	4x01-5 (4AO)

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LB/FB Remote I/O Module	PDC Type Honeywell Experio	on Release 400/410
5x01	5x01-2 (1AI LFD)	—
5x02	5x01-2 (1AI LFD)	—
5x04	5x04-5 (4AI LFD)	—
5x05	5x04-5 (4AI LFD)	—
5x06	5x06 (1Al)	—
6x01	—	6x01 2xxx (2DO)
6x02 (planned)	(not yet supported in this release of the DSB)	(not yet supported in this release of the DSB)
6x05	6x05 6x1y (4DI)	6x05 6x1y (4DO DINV)
6x06	6x06 (8DI)	6x06, 6x08 (4DO DINV)
6x08	1x08 6x08 (8DI LFD)	6x06, 6x08 (4DO DINV)
6x1y	6x05 6x1y (4 DI)	6x05 6x1y (4DO DINV)
7x04 (universal remote I/O module)	(not yet supported in this release of the DSB)	(not yet supported in this release of the DSB)
Command Status Register	COM Status (2NI Comm Module Status)	_
Command Register	_	COM Cmd Reg (2NO Comm Module Cmd)



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