

Your Global Automation Partner

PC ParameterChange

Manual

555T00011 Version: 1.0

Changing parameters on a PC through I/O-Link

Items that will need to be installed and downloaded before configuring the sensor.

I/O-Link master driver;

http://pdb2.turck.de/repo/media/_en/Anlagen/USB-2-IOL-0002_DTM_setup.zip

IODD interpreter;

http://pdb2.turck.de/repo/media/_en/Anlagen/DTM_IOL_IODD_Interpreter.zip

PACTware;

http://pdb2.turck.de/repo/media/_en/Anlagen/PACTwareSetup_41_SP2.zip

IODD for device;

http://pdb2.turck.de/repo/media/_en/Anlagen/IODD_IOL_PC.zip

Store the IODD in a place easy to get to. This will have to be unzipped and uploaded to the interpreter.

Step 1

n v Bu	ırn New folder				-
lame	*	Date modified	Туре	Size	
		8/26/2014 10:45 AM	File folder		
IODD_IO	L_PS	8/26/2014 10:40 AM	File folder		
	L_TS	8/26/2014 10:41 AM File folder			
📙 IO-Link_	Device_DTM	8/26/2014 10:33 AM	File folder		
TTM	12	8/26/2014 10:39 AM	File folder		
IODD, 10	0.00	6/07/0014 10-EE ANA	Compressed (zipp	150 KB	
IODD	Open in new window		compressed (zipp	910 KB	
IODD	open in new window		ompressed (zipp	104 KB	
11M	Extract All		fompressed (zipp	54 K.B	
	Scan IODD_IOL_PC.zip for V	iruses and Spyware			
	Open with				
	Share with)	•		
	Restore previous versions				
	Send to	,	•		
	Cut				
	Сору				
	Create shortcut				
	Delete				
	Rename				



3)	Once it is extracted o	pen file to insure	it is populated	it should look like Fig 2.
----	------------------------	--------------------	-----------------	----------------------------

→ IODD → IODD_IOL_P	c		 ✓ ✓	rch ICDD_IOL_PC	
▼ Include in library ▼	Share with 👻 Burn New folder			833 -	• 🗊
rites	Name	Date modified	Туре	Size	
sktop	Turck	4/28/2010 10:03 AM	Icon	2 KB	
wnloads	Nurck-logo	4/28/2010 10:03 AM	PNG image	8 KB	
cent Places	Turck-PC_XXX-icon	8/13/2010 8:07 AM	PNG image	3 KB	
	Nurck-PC_XXX-pic	8/13/2010 8:06 AM	PNG image	7 KB	
iries	Turck-PC001R-xxx-2UPN8X-H1141-20100	9/13/2010 2:49 PM	XML Document	144 KB	
cuments	Turck-PC001R-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
Jsic	🔮 Turck-PC001V-xxx-2UPN8X-H1141-20100	9/13/2010 2:47 PM	XML Document	144 KB	
:tures	Turck-PC001V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
leos	Provide the second seco	9/13/2010 2:46 PM	XML Document	144 KB	
	Turck-PC01VR-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
iputer	Provide the second state of the second state o	9/13/2010 2:47 PM	XML Document	144 KB	
ndows7_OS (C:)	Turck-PC003V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
N (\\usms-data2) (G:)	Turck-PC010V-xxx-2UPN8X-H1141-20100	9/13/2010 2:48 PM	XML Document	144 KB	
rckfshift (\\TUSAFSN) (M:)	Marck-PC010V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
ps (\\DATA5) (O:)	📄 Turck-PC016V-xxx-2UPN8X-H1141-20100	9/13/2010 2:48 PM	XML Document	144 KB	
novo_Recovery (Q:)	Turck-PC016V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
:hange (\\usms-DATA2) (X:)	🔮 Turck-PC025V-xxx-2UPN8X-H1141-20100	9/13/2010 2:48 PM	XML Document	144 KB	
	Turck-PC025V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
vork	Turck-PC040V-xxx-2UPN8X-H1141-20100	9/13/2010 2:49 PM	XML Document	144 KB	
	Turck-PC040V-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
	Turck-PC100R-xxx-2UPN8X-H1141-20100	9/13/2010 2:50 PM	XML Document	143 KB	
	Marck-PC100R-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
	Turck-PC250R-xxx-2UPN8X-H1141-20100	9/13/2010 2:50 PM	XML Document	143 KB	
	Turck-PC250R-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
	📄 Turck-PC400R-xxx-2UPN8X-H1141-20100	9/13/2010 2:50 PM	XML Document	143 KB	
	Turck-PC400R-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	
	Turck-PC600R-xxx-2UPN8X-H1141-20100	9/13/2010 2:51 PM	XML Document	143 KB	
	Turck-PC600R-xxx-2UPN8X-H1141-icon	4/28/2010 10:03 AM	Icon	2 KB	

Step 2

1) Open IODD interpreter



2) Click on "Add IODD collection..."

DI	D DTM Cor	figurator			
] Se	elect all	Installed IODDs			
	Vendor	Device	Vendor ID	Devia ID	Add IODD
	Turck		317	131 =	Delete
	Turck		317	131	
	Turck	Please select the root tolder of the JUDU collection.	317	131	Refresh
	Turck	🗑 Recycle Bin	317	139	
	Turck	Catalogs	317	655	
	Turck	A DODD	317	655	
	Turck		317	655	
	Turck	DIDD_IOL_TS	317	655	
	Turck	JO-Link_Device_DTM ▷ D TTM	317	655	
	Turck	Ja Misc	317	655	
	Turck	Replacement PCV-N14A4	317	655	
	Turck	OK Cancel 1	317	655	
	Turck	PS010V-301-20PN8X-H1141PSJ010V-411-20PN8X-H1141	317	655	
	Turck	PS016V-301-2UPN8X-H1141PSJ016V-311-2UPN8X-H1141	317	655	Settings

Figure 3

5) Once the IODD is uploaded you can close out of the IODD DTM Configurator.

Step 3

1) Connect the I/O-Link master to your PC and apply power, then connect the device.



Step 4						
1) Open PACTware	.1					
2) Click on "Add device" — 3) Then select the "IO-Link USB M 4) Click "OK". (See Figure 4)	Aaster 2.0"					
PACTone File Edit View Project Device Dras Window Help Image: State Sta						
Device tag Address I Address I HOST PC						
	Device for	All Devices		-		
	는 그 All Device	HART Communication HART Communication IO-Link USB Master IO-Link USB Master 2	Protocol HART IO-Link IO-Link IO-Link IO-Link IO-Link IO-Link	Vendor CodeWrights GmbH IO-Link IO-Enk	Group FDT FDT FDT	
	Vendor Group Type Protocol					
		•		→ □	DK Cancel	
		s H	apported by ans Turck G	mbH & Co. KG		
C C					_	

5) You will see that it will populate in the project window under HOST PC right click on it and click on "connect" (See Figure 5)







Figure 6

9) You will see that it will populate in the project window under IO-Link USB Master 2.0 right click on it and click on "connect" (See Fig 7)

PACTuran	-		
Ela Edit View	Beak	est Device Stress Window Hele	
	- 10		
Project			
Device tan	-	Address	-0 0
HOST PC			
🖯 🐺 10-Link US8 Master	er 2.0		i at
	UPNE	38.4	Bog
20		conact	
5 AD	2	Juconect	
	. 1	iet device state	
2		oad from device	
12	1 5	store to device	
		Arameter •	
	3	Aesured value	
	3	imulation	
	1.3	Jagnotis	
	1		
	4	Additional functions	
2	1.4	Add device	
	E	Sxchange device and a second se	
-à	1 0	Jelete device	
		PACT ward supported by Hans Turck GmbH & Co.	<u>р"</u> кg
		*	
SP # 0 <n< th=""><th>IONA</th><th>ME> Administrator</th><th></th></n<>	IONA	ME> Administrator	
	-		1120 AM
W	100		- @l • 8/26/2014

Figure 7

10) Once you are connected you can double click on the device and open up the parameter page.

11) If you click on the icon "direct mode" the parameters will be uploaded as they are changed. (See Fig 8)



Figure 8

Step 5

1) Once you have changed all of the parameters that are necessary follow the directions below to disconnect the sensor.

2) Turn off "direct mode"

3) Then close dow	vn the param	ieter screen 🗕			
(See Fig 9)					
PACTerer Pie Edit Veer Project Device Device tog Project Device tog Address I Bio Office Image: Control of the state Image: Control of the state	Extras Window Help 192 HO S S F F PC016V-201-2UPN8X-H113 TED Vendor Turck Product PC016V-204	AL-PC016V-211-2UPNBX-H1141 100D1.6.1 F-2UPNBX-H1141 Product id 6833754	Online parameterization		
	Menu	Name	Value	Default value	
	- Identification	Device			
	- Parameter - Observation	IO-Link Write Protect	0 (OH)	- 0 (Off)	
	– Diagnosis	System Command	130 (Restore Factory Setting)		
	- Process data structure	System Command	128 (Device Reset)		
	- Events Info	Unit	0 (bar)	• 0 (ber)	
		Offset correction	0 bar	0 ber	
		ie outputs			
		Switching output mode	0 (PNP)	 0 (PNP) 	
		- Damping of the switching output	0 (0 ms)	- 0 (0 ma)	
		😑 output 1			
		Function	0 (hysteresis (N/O = normally op	 0 (hysteresis (NIO = normal_ 	
		Switch point	7 bar	8 ber	
		- Release point	5 bar	4 ber	
			0 s	0s	
			0 s	05	
		e output 2			
		Function	0 (hysteresis (N/O = normally op	 0 (hysteresis (NIO + normal)) 	
		Switch point	8 bar	8 bar	
		- Release point	4 bar	4 bar	
			0 s	0 a	
			0 s	08	

Figure 9

Disconnect sensor from master.





28 subsidiaries and over 60 representations worldwide!

Printed in USA

205

 $\textcircled{\sc c}2015$ by Turck Inc. All rights reserved. No part of the publication may be reproduced without written permission.

M0000 B 10/15

www.turck.com