

Your Global Automation Partner

B2N360-Q42 Parameter Change

Manual

Changing Parameters on a B2N360-Q42 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_B2N360-Q42.zip Store the IODD in a place easy to get to. This will have to be unzipped and uploaded to the interpreter.

BOM needed for configuration of B2N360-Q42:

B2N360-Q42-E2LIUPN8X2-H1181 or B2N360-Q42-E2LIUPN8X2-H1181/S97 USB-2-IOL-0002 RKC 8.301T-1,5-RSC 4T/TX320



Step 1

Once you have downloaded the IODD. Right click on "IODD_IOL_B2N360-Q42" and "Extract ALL..."
 It should create another unzipped file double click on it to open file

vith 🔻 🛛 Burn 🛛 New fold	er				
Name		Date modified	Туре	Size	
IODD_IOL_B2N360_Q42		8/15/2014 9:12 AM	File folder		
IODD_IOL_FM_FMX		8/27/2014 10:16 AM	File folder		
IODD_IOL_LI-Q25L		8/27/2014 10:16 AM	File folder		
IODD_IOL_PC		8/27/2014 10:16 AM	File folder		
IODD_IOL_PS		8/27/2014 10:16 AM	File folder		
IODD_IOL_Ri-QR24		10/28/2014 11:09	File folder		
IODD_IOL_Ri-QR24-INCR		8/15/2014 9:12 AM	File folder		
IODD_IOL_TS		8/27/2014 10:17 AM	File folder		
🔰 ттм		8/5/2014 11:28 AM	File folder		
IODD_IOL_B2N360-Q42.zin		10/2/2014 10:55 AM	Compressed (zipp	26 KB	
IODD_IOL_Ri-QR24.zip	Open			87 KB	
IODD_IOL_Ri-QR24-INCR	Open in n	ew window		85 KB	
	Extract All.				
C	Scan IODD Open with Send to ot	D_IOL_B2N360-Q42.zip for 1 ther devices with SHAREit	Viruses and Spyware		
	Share with Restore pr	evious versions		•	

Figure 1

3) Once it is extracted open file to insure it is populated it should look like Figure 2.





Step 2

1) Open IODD interpreter



2) Click on "Add IODD collection..." 3) Select IODD_IOL_B2N360-Q42 4) Click "OK" -(See Figure 3) NICOD DTM Configurator - E X Select all Installed IODDs Add IODD Devie Vendor Vendor Device ID ID Add IODD collection Ξ Turck 317 131 Delete **Browse For Folder** X Turck 317 131 Please select the root folder of the IODD collection. Refresh Turck 317 131 4 📕 IODD Files * Turck 317 1376 IODD_IOL_B2N360_Q42 Turck 317 1376 IODD_IOL_FM_FMX DIODD_IOL_LI-Q25L Turck 317 1377 ▶ | IODD_IOL_PC Ш Turck 317 1377 IODD_IOL_PS IODD_IOL_Ri-QR24 Turck 317 1377 IODD_IOL_Ri-QR24-INCR Turck 317 139 DI TODD TOL TS Turck 317 655 OK Cancel Turck 317 655 LIVOI VQZJE Turck Li200P0-Q25L 317 655 Settings. LI300P0-Q25L 1 Turck 317 655 About. Turck Li400P0-Q25L 317 655 Close 4 III Þ

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. For the B2N360-Q42 the following cable is needed for use with I/O-LINK: RKC8.301T-1.5-RSC4T/TX320.



Step 4								
1) Open PACTware	PACTware 4.1							
2) Click on "Add device" 3) Then select the "IO-Li 4) Click "OK". (See Figure 4) PACTware File Edit View Project Device E Project Project Project PXX Device tag HOST PC	nk USB Master	2.0″		N. 20 provide the gala				
	Structure Device Tag	Addre	ss 🔥 Status	Timestamp status Device typ	ie (DTM)			
	ſ	Device for						<u> </u>
		All Devices						
		Device	 Protocol 	Vencor	Group	Device Version	FDT version	DTM vi
		BL Service Ethernet	BL Service Eth	erne Turck	DTM specific	1.0.0 / 2007-06-1	1.2.0 Addendum	1.00.1
		HART Communication	HART	CodeWrights GmbH	EDT	1.0.44 / 2012-06	120 Addendum	1044
		VIO-Link USB Master 2.0		IO-Link	FDT	2.00.0002/2013-	1.2.1	2.00.00
	Device state summary	e						,
							Canc	enter
			need dence stor	e(a) nonrochee(a)			-	
			Cyclic reading of de	vice state from device				s
	Number of completed cycles	0 Last cycle time: 0.0 s Short	est cycle time: 0.0 s	ongest cycle time: 0.0 s				

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)







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 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 "Read from Device(Upload)" the parameters will be uploaded from the device as they are currently stored. (See Figure 8)



12) Once the parameters have been changed, click on the icon "Write to Device(Download)". The parameters will be stored to the device. (See Figure 9)

Project Ø ×	Disgnottic Scan R2N360-0	42 IODD1.0.1 # Parameter			() X
Device tag HOST PC G G IO-Link USB Master 2.0 B2N360-Q42 IODD1.0.1	Vendor Turck Product	Product id	3		Tunnes Reserve
	Menu Identification Process data Process data structure Events Info	Name System configuration Operation mode Loxpass Siter A Loxpass Siter A Loxpass Siter C Active Siter Active Siter Active Siter Angle-Configuration Functional area C Output X Anally output function S Support V Coverange behavior Direction of reation S Support on the operation Active of measuring range Teach start position of measuring range	Value Inclination Cut-off frequency 24Hz Cut-off frequency 15Hz Cut-off frequency lowest Filter A Position ML 0* Upper hemiophere Vollage 0 V 10 V Keep limiting value Clockonse 115 * a. Teach 15.5 *	Default value Inclination Cut-off frequency 24Hz Cut-off frequency 15Hz Cut-off frequency Iovest Filter A Filter A Folder A Output Upper hemisphere Cutrent OV OV Keep limiting value Clocknise 0* 0* 0*	
		Teach and position of measuring in Zero point offset	0 *	D.,	
	Connected 80 Data set	t & Device 🖌 🎯			
	Connected 90 Data set	t& Device 🖌 🎯			4



Step 5

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

2) Close down the parameter screen.



3) Right click on device and click "Disconnect" (See Figure 11)





4) Right click o	n IO-l	Link USB Master 2.0 and click	"Disconnect" —	1					
5) Close PACTW	vare •								
(See Figure 12)									
									~
PACTware								10	
File Edit View Project	Device	Detras Window Help							
	-0								
Device teo	×.	Protocol selection							4 P X
A HOST PC		Name							
🗟 🐺 10-Link USB Master 2.0		E 10-Link							
B2N360-Q42 10DD1.0	u he	Connect							
	*	Disconnect	- li						
	~		1						
	D	Get device state							
	10	Spore to device	Status Timestamp status Dev	ice type (DTM)					
	-24	Sine to dence	_ ● 0 10-1	Link USB Master 2.0					
		Parameter	820 820	4360-Q4210001.0.1					_
		Measured value							
		Semulation							
		Diet							
		Print							
		Additional functions •							
		Add device							
	1.20	Exchange device							
	<u>.</u>	Delete device							
		Properties <82N360-Q4210001.0.1>82N360-Q4210001.0.1							
		Device state summary One or more devices are in state 'Not supported'						-	
		Actions				Selection			
			ad device state(s) from device(s)			IIA			
		Cyclic)[[1 👘 5	None		Display device state		
		Number of completed cycles: 0 Last cycle time: 0.0 s Short	est cycle time: 0.0 s Longest cycle time: 0.0 s						
		Error monitor							ą ×
		Carial Data Course Error Ma	orana						12
2 m 1							Refresh	Save	ear
de la la distante de la constante de								1971 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 - 1973 -	

6) Disconnect sensor from master.



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