



Comtrol IO-Link Master

Changing IO-Link Device Parameters Using the IO-Link Device – Port Table

Tech Tip

This document provides an example of how to use the **IO-Link Device – Port** table to edit IO-Link device parameters after loading an IODD file. In addition, this shows how reset the IO-Link device to default factory settings.

Changing IO-Link Device Parameters (IO-Link Device – Port Table)

You must load the associated IODD file for an IO-Link device before you can use the IO-Link Device – Port table to change parameter values. If necessary, refer to the Loading IODD Files Application Note. Optionally, you can use the IO-Link Device ISDU Interface to change parameters (refer to Configuring IO-Link Devices Using the IO-Link Device ISDU Interface).

Use the following procedure to change parameter values using the IO-Link Device - Port table.

1. Click Attached Devices | Port 3 (in this example). The IO-Link device displays as expected in the PORT page.

IO-Link Device - Port 3	0			Sersor Intelligen	18.	make	ne EL paran	eter changes	REFRESH
Parameter Name	Index	Subindex	Value	R/W	Unit	Min	Max	Comments	G
- Identification									
Vendor Name	16		SICK AG	RO					
Product Name	18		OPR20G-RB317537	RO					
Serial Number	21		15080029	RO					
Hardware Version	22		1.00	RO					
Firmware Version	23		V1.00.001.963	RO					
Application Specific Tag	24		**********	RW					
Device Specific Tag	64		***********	RW					
SICK-Profile Version	205		0.02	RO					
- Parameter Menu									
Pin 5 Configuration	122		17	RW		0	18	value range:0;17;18	
Find Me	204		0	RW		0	16	value range:0;1;16	
Delay Mode Q1	212		0	RW		0	3	value range:0;1;2;3	
Delay Mode Q2	213		0	RW		0	3	value range:0;1;2;3	
Delay Time Q1	214		0	RW		0	30000	value range:0-30000	
Delay Time Q2	215		0	RW		0	30000	value range:0-30000	
Quality of Run Alarm	226		0	RW		0	100	value range:0-100	
Device Access Locks	12		0000	RW					
Device Mode	65		0	RW		0	129	value range:0;128;129	
<									2

2. Notice that you can expand or collapse parameter groups to customize your view.

Link Device - Port 3	Ø				📦 Sensi	CK or Intelligence.		REFRESH
rameter Name	Index	Subindex	Value	R/W	Unit	Min	Max	Comments
Identification arameter Menu	oand or	collaps	e parameter	group	os to c	ustor	nize yo	ur view
Pin 5 Configuration	122		18	RW		0	18	value range:0;17;18
ind Me	204		0	RW		0	16	value range:0;1;16
Delay Mode Q1	212		1	RW		0	3	value range:0;1;2;3
Delay Mode Q2	213		0	RW		0	3	value range:0;1;2;3
Delay Time Q1	214		1500	RW		0	30000	value range:0-30000
Delay Time Q2	215		2000	RW		0	30000	value range:0-30000
Quality of Run Alarm	226		0	RW		0	100	value range:0-100
Device Access Locks	12		0 0 0	RW				
Device Mode	65		0	RW		0	129	value range:0;128;129
Feach-in Channel	58		0	RW		0	0	value range:0
Setpoint (BDC1 / Q1)	60		20	RW				
Switchpoint (BDC1 / Q1)	61		0 1 0	RW				
Setpoint (BDC2 / Q2)	62		0	RW				
witchpoint (BDC2/ Q2)	63		0 1 0	RW				
(ey Lock	81		1	RW		0	1	value range:0;1
Standard Command	2		1-Point Teach	wo		65	65	value range:65

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3. Click the **EDIT** button, change the parameters as required, and then click **SAVE**.

D FILES SUMMARY PORT 1	PORT 2 PORT 3 PC	ORT 4 PORT 5 PORT 6	PORT 7 PORT	F 8		
0-Link Device - Port 3 0		•	SICK Sensor Intelligence.			SAYE DA
Frouget Name	10	OFICEOG ND317337	NO			
Serial Number	21	15080029	RO			
Hardware Version	22	1.00	RO			
Firmware Version	23	V1.00.001.963	RO			
Application Specific Tag	24	Opto#90	RW			
Device Specific Tag	64	Sensor#90	RW			
SICK-Profile Version	205	0.02	RO			
Parameter Menu						
Pin 5 Configuration	122	18 💙	RW	0	18	value range:0;17;18
Find Me	204	0 🗸	RW	0	16	value range:0;1;16
Delay Mode Q1	212	1	RW	0	3	value range:0;1;2;3
Delay Mode Q2	213	0 🗸	RW	0	3	value range:0;1;2;3
Delay Time Q1	214	0 🗸	RW	0	30000	value range:0-30000
Delay Time Q2	215		RW	0	30000	value range:0-30000
Quality of Run Alarm	226	0 🗸	RW	0	100	value range:0-100
Device Access Locks	12		RW			
Device Mode	65	0 🗸	RW	0	129	value range:0;128;129

IO-Link Device ISDU Interface - Port 3

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4. Optionally, click the **REFRESH** button to verify the changes have occurred.

D FILES SUMMARY PORT	1 PORT 2	PORT 3 POR	T 4 PORT 5 PORT 6	PORT 7	PORT 8				
D-Link Device - Port 3	80		· 🌐 🌒	SICK Sensor Intelligen	50.				REFRESH
Darameter Name	Index	Subinday	Value	R/W	Unit	Min	Max	Comments	65
- Identification	INCEX	Subindex	Value		Unic	PHILI	Max	comments	
Vendor Name	16		STCK AG	RO					
Product Name	18		OPR20G-RB317537	RO					
Serial Number	21		15080029	RO					
Hardware Version	22		1.00	RO					
Firmware Version	23		V1.00.001.963	RO					
Application Specific Tag	24		Opto#90	RW					
Device Specific Tag	64		Sensor#90	RW					
SICK-Profile Version	205		0.02	RO					
- Parameter Menu									
Pin 5 Configuration	122		18	RW		0	18	value range:0;17;18	
Find Me	204		0	RW		0	16	value range:0;1;16	
Delay Mode Q1	212		1	RW		0	3	value range:0;1;2;3	
Delay Mode Q2	213		0	RW		0	3	value range:0;1;2;3	
Delay Time Q1	214		0	RW		0	30000	value range:0-30000	
Delay Time Q2	215		0	RW		0	30000	value range:0-30000	
Quality of Run Alarm	226		0	RW		0	100	value range:0-100	
Device Access Locks	12		0 0 0 0	RW					
Device Mode	65		0	RW		0	129	value range:0;128;129	

IO-Link Device ISDU Interface - Port 3

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Resetting an IO-Link Device to Factory Defaults

Most IO-Link device manufacturers support a **Reset to Factory** or **Reset Settings** feature that is available through the **IO-Link Device – Port** table.

You can quickly reset the sensor to factory defaults.

- 1. Access the corresponding IO-Link Device Port page.
- 2. Click the **EDIT** button.
- 3. Click the Reset Factory Settings button.
- 4. Click **Ok** to the *Command Executed* message.
- 5. Click CANCEL.

Comtrol	Home	Diagnostics	Configu	iration	Advanced	Attached I	Devices	Help					R-1-EIP Logout
ODD FILES	SUMMARY	PORT 1	PORT 2	PORT 3	PORT 4	PORT 5	PORT 6	PORT 7	PORT 8				
IO-Link I	Device -	Port 3 🛛							SIC	K elilgence.			2.
ocanaoro			-		-							Toroc rongeroo	~
Standard	Command		2			2-Point Tea	ch	wo		67	67	value range:67	
Standard	Command		2			2-Point Tea	ch	wo		68	68	value range:68	
Standard	Command		2			Dynamic Te	ach	wo		71	71	value range:71	
Standard	Command		2			Dynamic Te	ach	wo		72	72	value range:72	
Standard	Command		2			3-Point Tea	ch	wo		75	75	value range:75	
Standard	Command		2			3-Point Tea	ch	wo		76	76	value range:76	
Standard	Command		2			3-point Tea	ch	wo		77	77	value range:77	
Standard	Command		2			Cancel Tea	ch-i	wo		79	79	value range:79	
Standard	Command		2		1.	Restore F	ztor	wo		130	130	value range:130	
+ Observa	tion Menu												~
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6. Optionally, cick **REFRESH** to verify that the values have been reset to the factory defaults.

O-Link Device - Port 3	0		· 🌐 🍅	Sensor Intellige	902.				
Parameter Name	Index	Subindex	Value	R/W	Unit	Min	Max	Comments	G
- Identification									
Vendor Name	16		SICK AG	RO					
Product Name	18		OPR20G-RB317537	RO					
Serial Number	21		15080029	RO					
Hardware Version	22		1.00	RO					
Firmware Version	23		V1.00.001.963	RO					
Application Specific Tag	24		*******	RW					
Device Specific Tag	64		*******	RW					
SICK-Profile Version	205		0.02	RO					
- Parameter Menu									
Pin 5 Configuration	122		17	RW		0	18	value range:0;17;18	
Find Me	204		0	RW		0	16	value range:0;1;16	
Delay Mode Q1	212		0	RW		0	3	value range:0;1;2;3	
Delay Mode Q2	213		0	RW		0	3	value range:0;1;2;3	
Delay Time Q1	214		0	RW		0	30000	value range:0-30000	
Delay Time Q2	215		0	RW		0	30000	value range:0-30000	
Quality of Run Alarm	226		0	RW		0	100	value range:0-100	
Device Access Locks	12		0	RW					
<									>