



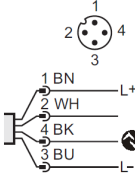



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1 Device variant

<p>LDH292</p> <p>Air humidity sensor</p>		
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2 Communication

Vendor ID	310 / Bytes 1-54 (hex: 01-36)
Device ID	1337 / Bytes 0-5-57 (hex: 00-05-39)
Bit rate	COM2
Minimum cycle time	4,5 ms
SIO mode supported	No
Block parameterization	Yes
Data storage	Yes
Supported profiles	Identification and Diagnosis Measurement Data Channel (standard resolution)



NOTE:

If the Vendor ID and Device ID is referenced in your PLC system, then it is ensured that

- the connected Device type is correct
- the IO-Link datastorage is enabled
- your application is still able to work, even your Device has been exchanged with a successor model.



For process value update rate, as well as further information concerning sensor performance, see datasheet



3 Parameter overview

Parameter	Index	Subindex	Type	Factory setting	page
Vendor name	16		StringT (19 Byte)	ifm electronic gmbh	8
Vendor text	17		StringT (11 Byte)	www.ifm.com	8
Product Name	18		StringT (6 Byte)	LDH292	8
Product ID	19		StringT (6 Byte)	LDH292	8
Product Text	20		StringT (19 Byte)	Air humidity sensor	8
Serial Number	21		StringT (16 Byte)	0	8
Hardware Revision	22		StringT (2 Byte)	AB	8
Firmware Revision	23		StringT (15 Byte)	01.04.95	8
Application-specific Tag	24		StringT (32 Byte)	***	8
Function Tag	25		StringT (32 Byte)	***	8
Location Tag	26		StringT (32 Byte)	***	8
Device Status	36		UIntegerT (8 Bit)		12
Detailed Device Status	37		OctetStringT (3 Byte) [6]	0x00,0x00,0x00	12
Process data input	40		RecordT (64 Bit)		9
Temperature Histogram	540		RecordT (704 Bit)		15
< -50 °C / < -...	540	1	IntegerT (32 Bit)		
-50 ... -40 °C / ...	540	2	IntegerT (32 Bit)		
-40 ... -30 °C / ...	540	3	IntegerT (32 Bit)		
-30 ... -20 °C / ...	540	4	IntegerT (32 Bit)		
-20 ... -10 °C / ...	540	5	IntegerT (32 Bit)		
-10 ... 0 °C / ...	540	6	IntegerT (32 Bit)		
0 ... 10 °C / 3...	540	7	IntegerT (32 Bit)		
10 ... 20 °C / ...	540	8	IntegerT (32 Bit)		
20 ... 30 °C / ...	540	9	IntegerT (32 Bit)		
30 ... 40 °C / ...	540	10	IntegerT (32 Bit)		
40 ... 50 °C / 1...	540	11	IntegerT (32 Bit)		
50 ... 60 °C / 1...	540	12	IntegerT (32 Bit)		
60 ... 70 °C / 1...	540	13	IntegerT (32 Bit)		
70 ... 80 °C / 1...	540	14	IntegerT (32 Bit)		
80 ... 90 °C / 1...	540	15	IntegerT (32 Bit)		
90 ... 100 °C / 1...	540	16	IntegerT (32 Bit)		
100 ... 110 °C / ...	540	17	IntegerT (32 Bit)		
110 ... 120 °C / ...	540	18	IntegerT (32 Bit)		
120 ... 130 °C / ...	540	19	IntegerT (32 Bit)		
130 ... 140 °C / ...	540	20	IntegerT (32 Bit)		
140 ... 150 °C / ...	540	21	IntegerT (32 Bit)		
> 150 °C / > 3...	540	22	IntegerT (32 Bit)		
Power cycles	541		IntegerT (32 Bit)	0	12
Operating hours	542		IntegerT (32 Bit)	0	12
Internal temperature	543		IntegerT (16 Bit)		12
Active Events	545		RecordT (32 Bit)		13
Param configuration fault	546		UIntegerT (32 Bit) [10]	0 (OK)	13
Hi.H	560		IntegerT (16 Bit)		10
Lo.H	561		IntegerT (16 Bit)		10
Hi.T	562		IntegerT (16 Bit)		10



3 Parameter overview

Parameter	Index	Subindex	Type	Factory setting	page
Lo.T	563		IntegerT (16 Bit)		10
uni.T	841		UIntegerT (8 Bit)	0 (°C)	10
Humidity Histogram	9000		RecordT (640 Bit)		14
0 ... 5 %	9000	1	IntegerT (32 Bit)		
5 ... 10 %	9000	2	IntegerT (32 Bit)		
10 ... 15 %	9000	3	IntegerT (32 Bit)		
15 ... 20 %	9000	4	IntegerT (32 Bit)		
20 ... 25 %	9000	5	IntegerT (32 Bit)		
25 ... 30 %	9000	6	IntegerT (32 Bit)		
30 ... 35 %	9000	7	IntegerT (32 Bit)		
35 ... 40 %	9000	8	IntegerT (32 Bit)		
40 ... 45 %	9000	9	IntegerT (32 Bit)		
45 ... 50 %	9000	10	IntegerT (32 Bit)		
50 ... 55 %	9000	11	IntegerT (32 Bit)		
55 ... 60 %	9000	12	IntegerT (32 Bit)		
60 ... 65 %	9000	13	IntegerT (32 Bit)		
65 ... 70 %	9000	14	IntegerT (32 Bit)		
70 ... 75 %	9000	15	IntegerT (32 Bit)		
75 ... 80 %	9000	16	IntegerT (32 Bit)		
80 ... 85 %	9000	17	IntegerT (32 Bit)		
85 ... 90 %	9000	18	IntegerT (32 Bit)		
90 ... 95 %	9000	19	IntegerT (32 Bit)		
95 .. 100 %	9000	20	IntegerT (32 Bit)		
MDC Descr	16512		RecordT (88 Bit)		11
Lower limit	16512	1	IntegerT (32 Bit)	0 (0)	
Upper limit	16512	2	IntegerT (32 Bit)	1000 (1000)	
Unit code	16512	3	UIntegerT (16 Bit)	1342 (%)	
Scale	16512	4	IntegerT (8 Bit)	-1 (-1)	
MDC 2 Descr	16513		RecordT (88 Bit)		11
Lower limit	16513	1	IntegerT (32 Bit)	-450 (-450)	
Upper limit	16513	2	IntegerT (32 Bit)	1250 (1250)	
Unit code	16513	3	UIntegerT (16 Bit)	1001 (°C)	
Scale	16513	4	IntegerT (8 Bit)	-1 (-1)	



4 System Commands



System Command information
- Address: Index 2, Subindex 0
- Datatype: UInteger (8 Bit)
- AccessRight: Write Only

System Commands	Text	Description
1	Upload Start	Start block parameter upload
2	Upload End	End block parameter upload
3	Download Start	Start block parameter download
4	Download End	Stop block parameter download
5	Store	Finalize block parameterization and start Data Storage
6	Break	Cancel block parameterization
130	Restore Factory Settings	
165	Reset [Hi.T] and [Lo.T] memory	
166	Reset [Lo.T] memory	
167	Reset [Hi.T] memory	
208	Reset [Hi.H] and [Lo.H] memory	
209	Reset [Lo.H] memory	
210	Reset [Hi.H] memory	
240	IO-Link 1.1 system test command 240, Event 8DFE appears	
241	IO-Link 1.1 system test command 241, Event 8DFE disappears	
242	IO-Link 1.1 system test command 242, Event 8DFF appears	
243	IO-Link 1.1 system test command 243, Event 8DFF disappears	



5 Identification

Vendor name	Index 16	Subindex 0	StringT (19 Byte)	ReadOnly
The vendor name that is assigned to a Vendor ID.				
Factory setting	ifm electronic gmbh			
Vendor text	Index 17	Subindex 0	StringT (11 Byte)	ReadOnly
Additional information about the vendor.				
Factory setting	www.ifm.com			
Product Name	Index 18	Subindex 0	StringT (6 Byte)	ReadOnly
Complete product name.				
Factory setting	LDH292			
Product Text	Index 20	Subindex 0	StringT (19 Byte)	ReadOnly
Additional product information for the device.				
Factory setting	Air humidity sensor			
Product ID	Index 19	Subindex 0	StringT (6 Byte)	ReadOnly
Vendor-specific product or type identification (e.g., item number or model number).				
Factory setting	LDH292			
Serial Number	Index 21	Subindex 0	StringT (16 Byte)	ReadOnly
Unique, vendor-specific identifier of the individual device.				
Factory setting	0			
Hardware Revision	Index 22	Subindex 0	StringT (2 Byte)	ReadOnly
Unique, vendor-specific identifier of the hardware revision of the individual device.				
Factory setting	AB			
Firmware Revision	Index 23	Subindex 0	StringT (15 Byte)	ReadOnly
Unique, vendor-specific identifier of the firmware revision of the individual device.				
Factory setting	01.04.95			
Application-specific Tag	Index 24	Subindex 0	StringT (32 Byte)	ReadWrite
Possibility to mark a device with user- or application-specific information.				
Factory setting	***			
Function Tag	Index 25	Subindex 0	StringT (32 Byte)	ReadWrite
Factory setting	***			
Location Tag	Index 26	Subindex 0	StringT (32 Byte)	ReadWrite
Factory setting	***			



6 Observation

6.1 Process Data Input/Output

Process data input		RecordT (64 Bit)
Humidity		IntegerT (16 Bit)
Current Humidity		
Value range [%]	(0 to 1000) * 0.1 32764	(NoData)
Temperature		IntegerT (16 Bit)
Current temperature		
Value range [°C]	(-400 to 850) * 0.1 -32760 32760 -32762 32762 32764	(UL) (OL) (cr.UL) (cr.OL) (NoData)
Device status		UIntegerT (4 Bit)
Current device status, a copy of the parameter [Device Status, Index 36] in the process data channel		
Value range	0 1 2 3 4	(Device is OK) (Maintenance required) (Out of specification) (Functional check) (Failure)

Word 0	Humidity	
Word 2	Scale Humidity	n/a
Word 4	Temperature	
Word 6	Scale TEMP	Device status n/a n/a n/a n/a

- Scale Humidity: A PLC function block calculates the humidity part of the process data (from WORD 0) into the profiled unit [%]
- ScaleTEMP: A PLC function block calculates the temperature part of the process data (from WORD 4) into the profiled unit [°C]



Process data displayed according device sort order.
Please note: Siemens PLCs swap the high and low byte when using byte addressing.



7 Parameter

7.1 Setting of the sensor display

uni.T	Index 841	Subindex 0	UIntegerT (8 Bit)	ReadWrite
Selection of temperature unit				
Factory setting	0	(°C)		
Value range	0	(°C)		
	1	(°F)		

7.2 Memory

7.2.1 Humidity

Lo.H	Index 561	Subindex 0	IntegerT (16 Bit)	ReadOnly
Minimum memory value for humidity				
Value range [%]	(0 to 1000) * 0.1 32764	(NoData)		

Hi.H	Index 560	Subindex 0	IntegerT (16 Bit)	ReadOnly
Maximum memory value for humidity				
Value range [%]	(0 to 1000) * 0.1 32764	(NoData)		

7.2.2 Temperature

Lo.T	Index 563	Subindex 0	IntegerT (16 Bit)	ReadOnly
Minimum memory value for temperature				
Value range [°C]	(-250 to 850) * 0.1 -32760 32760 -32762 32762 32764	(UL) (OL) (cr.UL) (cr.OL) (NoData)		

Hi.T	Index 562	Subindex 0	IntegerT (16 Bit)	ReadOnly
Maximum memory value for temperature				
Value range [°C]	(-250 to 850) * 0.1 -32760 32760 -32762 32762 32764	(UL) (OL) (cr.UL) (cr.OL) (NoData)		

7.3 Setup

MDC Descr	Index 16512	Subindex 0	RecordT (88 Bit)	ReadOnly
Description of the measurement data channel 'Humidity'				
Lower limit		Subindex 1	IntegerT (32 Bit)	
Lower value measurement range				
Factory setting	0	(0)		
Value range	0	(0)		



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Upper limit		Subindex 2	IntegerT (32 Bit)
Upper value measurement range			
Factory setting	1000	(1000)	
Value range	1000	(1000)	
Unit code		Subindex 3	UIntegerT (16 Bit)
Unit code of the measurement data			
Factory setting	1342	(%)	
Value range	1342	(%)	
Scale		Subindex 4	IntegerT (8 Bit)
Range shifting (10 scale)			
Factory setting	-1	(-1)	
Value range	-1	(-1)	

MDC 2 Descr	Index 16513	Subindex 0	RecordT (88 Bit)	ReadOnly
Description of the 2nd measurement data channel 'Temperature'				
Lower limit		Subindex 1	IntegerT (32 Bit)	
Lower value measurement range				
Factory setting	-450	(-450)		
Value range	-450	(-450)		
Upper limit		Subindex 2	IntegerT (32 Bit)	
Upper value measurement range				
Factory setting	1250	(1250)		
Value range	1250	(1250)		
Unit code		Subindex 3	UIntegerT (16 Bit)	
Unit code of the measurement data				
Factory setting	1001	(°C)		
Value range	1001	(°C)		
Scale		Subindex 4	IntegerT (8 Bit)	
Range shifting (10 scale)				
Factory setting	-1	(-1)		
Value range	-1	(-1)		



8 Diagnosis

8.1 Diagnosis

Device Status	Index 36	Subindex 0	UIntegerT (8 Bit)	ReadOnly
Indicator for the current device condition and diagnosis state.				
Value range	0 1 2 3 4 (5 to 255) (Reserved)	(Device is OK) (Maintenance required) (Out of specification) (Functional check) (Failure)		
Detailed Device Status	Index 37	Subindex 0	OctetStringT (3 Byte) [6]	ReadOnly
List of all currently pending events in the device.				
Factory setting	0x00,0x00,0x00			
Operating hours	Index 542	Subindex 0	IntegerT (32 Bit)	ReadOnly
Counter of the operating hours since delivery				
Factory setting	0			
Internal temperature	Index 543	Subindex 0	IntegerT (16 Bit)	ReadOnly
Current internal temperature of the device				
Power cycles	Index 541	Subindex 0	IntegerT (32 Bit)	ReadOnly
Number of power cycles since delivery				
Factory setting	0			
Active Events	Index 545	Subindex 0	RecordT (32 Bit)	ReadOnly
Bit mask for current pending events				
Bit_31		bitOffset 31	BooleanT	
Test Event 2. Device Status = 1 (Maintenance required)				
Factory setting	0	(noEv)		
Value range	0 1	(noEv) (0x8DFF)		
Bit_30		bitOffset 30	BooleanT	
Test Event 1. Device Status = 1 (Maintenance required)				
Factory setting	0	(noEv)		
Value range	0 1	(noEv) (0x8DFE)		
Bit_16		bitOffset 16	BooleanT	
Measurement range over-run				
Factory setting	0	(noEv)		
Value range	0 1	(noEv) (0x8C20)		
Bit_9		bitOffset 9	BooleanT	
Process variable range under-run				
Factory setting	0	(noEv)		
Value range	0 1	(noEv) (0x8C30)		
Bit_8		bitOffset 8	BooleanT	
Process variable range over-run				
Factory setting	0	(noEv)		
Value range	0 1	(noEv) (0x8C10)		



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Bit_5		bitOffset 5	BooleanT
Component malfunction			
Factory setting	0	(noEv)	
Value range	0	(noEv)	
	1	(0x5010)	
Bit_1		bitOffset 1	BooleanT
Parameter error			
Factory setting	0	(noEv)	
Value range	0	(noEv)	
	1	(0x6320)	
Bit_0		bitOffset 0	BooleanT
Device hardware fault			
Factory setting	0	(noEv)	
Value range	0	(noEv)	
	1	(0x5000)	

Param configuration fault	Index 546	Subindex 0	UIntegerT (32 Bit) [10]	ReadOnly
Displays the incorrectly set parameters				
Factory setting	0	(OK)		
Value range	0	(OK)		
	786432	(Device Access Locks, Index = 12)		
	55115776	(uni.T, Index = 841)		

8.1.1 Humidity histogram

Humidity Histogram	Index 9000	Subindex 0	RecordT (640 Bit)	ReadOnly
0 ... 5 %		Subindex 1	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
5 ... 10 %		Subindex 2	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
10 ... 15 %		Subindex 3	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
15 ... 20 %		Subindex 4	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
20 ... 25 %		Subindex 5	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
25 ... 30 %		Subindex 6	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
30 ... 35 %		Subindex 7	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
35 ... 40 %		Subindex 8	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
40 ... 45 %		Subindex 9	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
45 ... 50 %		Subindex 10	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
50 ... 55 %		Subindex 11	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			



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55 ... 60 %	Subindex 12	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
60 ... 65 %	Subindex 13	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
65 ... 70 %	Subindex 14	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
70 ... 75 %	Subindex 15	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
75 ... 80 %	Subindex 16	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
80 ... 85 %	Subindex 17	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
85 ... 90 %	Subindex 18	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
90 ... 95 %	Subindex 19	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
95 .. 100 %	Subindex 20	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	

8.2 Temperature histogram

Temperature Histogram	Index 540	Subindex 0	RecordT (704 Bit)	ReadOnly
< -50 °C / < -58 °F		Subindex 1	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
-50 ... -40 °C / -58 ... -40 °F		Subindex 2	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
-40 ... -30 °C / -40 ... -22 °F		Subindex 3	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
-30 ... -20 °C / -22 ... -4 °F		Subindex 4	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
-20 ... -10 °C / -4 ... 14 °F		Subindex 5	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
-10 ... 0 °C / 14 ... 32 °F		Subindex 6	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
0 ... 10 °C / 32 ... 50 °F		Subindex 7	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
10 ... 20 °C / 50 ... 68 °F		Subindex 8	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
20 ... 30 °C / 68 ... 86 °F		Subindex 9	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			
30 ... 40 °C / 86 ... 104 °F		Subindex 10	IntegerT (32 Bit)	
Value range [s]	(0 to 2147483647) * 1			



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40 ... 50 °C / 104 ... 122 °F	Subindex 11	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
50 ... 60 °C / 122 ... 140 °F	Subindex 12	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
60 ... 70 °C / 140 ... 158 °F	Subindex 13	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
70 ... 80 °C / 158 ... 176 °F	Subindex 14	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
80 ... 90 °C / 176 ... 194 °F	Subindex 15	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
90 ... 100 °C / 194 ... 212 °F	Subindex 16	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
100 ... 110 °C / 212 ... 230 °F	Subindex 17	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
110 ... 120 °C / 230 ... 248 °F	Subindex 18	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
120 ... 130 °C / 248 ... 266 °F	Subindex 19	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
130 ... 140 °C / 266 ... 284 °F	Subindex 20	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
140 ... 150 °C / 284 ... 302 °F	Subindex 21	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	
> 150 °C / > 302 °F	Subindex 22	IntegerT (32 Bit)
Value range [s]	(0 to 2147483647) * 1	



9 Events

Code	Device status	PQ*	Class	Name	Description
0x5000 20480d	4 (Failure)	invalid	Error	Device hardware fault	Exchange device
0x5010 20496d	3 (Functional check)	valid	Error	Component malfunction	Repair or exchange
0x6320 25376d	3 (Functional check)	invalid	Error	Parameter error	Check datasheet and values
0x8C10 35856d	2 (Out of specification)	valid	Warning	Process variable range overrun	Process data uncertain
0x8C20 35872d	3 (Functional check)	valid	Error	Measurement range exceeded	Check application
0x8C30 35888d	2 (Out of specification)	valid	Warning	Process variable range underrun	Process data uncertain
0x8DFE 36350d	1 (Maintenance required)	valid	Warning	Test Event 1. Device Status = 1 (Maintenance required)	Event appears by setting index 2 to value 240, Event disappears by setting index 2 to value 241
0x8DFF 36351d	1 (Maintenance required)	valid	Warning	Test Event 2. Device Status = 1 (Maintenance required)	Event appears by setting index 2 to value 242, Event disappears by setting index 2 to value 243



Events are raised by the device itself to notify irregular device states
PQ* = Process data quality



10 Error types

Code	Name	Description
0x8000 32768d	Device application error - no details	Service was denied by the technology-specific application. No detailed root-cause information is available.
0x8011 32785d	Index not available	Read or write access attempt to a non-existing index.
0x8012 32786d	Subindex not available	Read or write access attempt to a non-existing subindex of an existing index.
0x8020 32800d	Service temporarily not available	Parameter not accessible due to the current state of the technology-specific application.
0x8021 32801d	Service temporarily unavailable - local control	Parameter not accessible. The device is currently in an ongoing, locally controlled operation.
0x8022 32802d	Service temporarily unavailable - device control	Parameter not accessible. The technology-specific application is currently in a remotely triggered operation.
0x8023 32803d	Access denied	Write access to a read-only parameter or read access to write-only parameter.
0x8030 32816d	Parameter value out of range	Written parameter value is outside of the permitted value range.
0x8033 32819d	Parameter length overrun	Written parameter is longer than specified.
0x8034 32820d	Parameter length underrun	Written parameter is shorter than specified.
0x8035 32821d	Function unavailable	Written command is not supported by the technology-specific application
0x8036 32822d	Function temporarily unavailable	Written command is unavailable due to the current state of the technology-specific application.
0x8040 32832d	Invalid parameter set	Written single parameter value collides with other existing parameter settings.
0x8041 32833d	Inconsistent parameter set	Parameter set inconsistencies at the end of block parameter transfer. Device plausibility check failed.
0x8082 32898d	Application not ready	Read or write access denied. The technology-specific application is temporarily unavailable.



Error types are used for the ISDU response. Values unequal '0' indicate the cause of a failed ISDU read or write service.



11 Unit conversion



This list provides conversion formulas to convert the transmitted IO-Link raw data into physical units.

Temperature

Value in [°C] = Transmitted value * 0.1

Value in [°F] = Transmitted value * 0.18 + 32