

EN

P1XD0xx

Fiber-optic amplifier



Interface Description

IO-Link P1XD0xx

Vendor ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
wenglor sensoric GmbH	0x0057	87	00 57	0 87

Device ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
P1XD001	0x170401	1508353	17 04 01	23 4 1
P1XD002	0x170402	1508354	17 04 02	23 4 2
P1XD011	0x17040B	1508363	17 04 0B	23 4 11
P1XD012	0x17040C	1508364	17 04 0C	23 4 12

IO-Link Version:	V 1.1
Data Storage:	No
Blockparameter:	No
Min Cycle Time:	2,7 ms
SIO-Mode:	Yes
COM-Mode:	COM2
ISDU:	No
Process data In (Device to Master):	16 Bit
Process data Out (Master to Device):	—

Process data

Subindex	Name	Bit Offset	Length	Range
1	A1 Output	0	1 Bit	0 = Off 1 = On
2	Contamination	1	1 Bit	0 = Off 1 = On
3	---			
4	---			
5	Short-circuit	4	1 Bit	0 = Off 1 = On
6	---			
7	Overtemperature	6	1 Bit	0 = Off 1 = On
8	Memory Busy	7	1 Bit	0 = Off 1 = On
9	Signal	8...15	Uint8	0...255

Octet 0

Subindex	9							
Bit Offset	15	14	13	12	11	10	9	8

Octet 1

Subindex	8	7	6	5	4	3	2	1
Bit Offset	7	6	5	4	3	2	1	0

Parameter

Name	Index (hex)	Index (dec)	Sub-index	R/W	Datatype	Default value	Range
Identification							
Parameter.Serial number	0x0001	1	12...15	R	Uint32		
Direct Parameters 1. Vendor ID 1	0x0000	0	8	R	Uint8	0	
Direct Parameters 1. Vendor ID 2	0x0000	0	9	R	Uint8	87	
Direct Parameters 1. Device ID 1	0x0000	0	10	R	Uint8	-	
Direct Parameters 1. Device ID 2	0x0000	0	11	R	Uint8	-	
Direct Parameters 1. Device ID 3	0x0000	0	12	R	Uint8	-	
Parameter							
Write parameters to FTP memory	0x0001	1	16	R/W	Uint8	0 = No action	0 = No action 148 = Write parameter
Write counter for FTP memory	0x0001	1	5	R	Uint8	0	0...255
OFF Delay	0x0001	1	4 (Bit0...2)	R/W	Uint3	0 = off	0 = off 1 = 2 ms 2 = 5 ms 3 = 10 ms 4 = 20 ms 5 = 50 ms 6 = 100 ms 7 = 200 ms
ON Delay	0x0001	1	4 (Bit3...5)	R/W	Uint3	0 = off	0 = off 1 = 2 ms 2 = 5 ms 3 = 10 ms 4 = 20 ms 5 = 50 ms 6 = 100 ms 7 = 200 ms
Operating Mode	0x0001	1	4 (Bit7)	R/W	Boolean	0 = Standard	0 = Standard 1 = Speed
Switch Point	0x0001	1	3	R/W	Uint8	255	0...255
A1 NO/NC	0x0001	1	2 (Bit0)	R/W	Boolean	0 = NO	0 = NO 1 = NC
A2 Pin Function	0x0001	1	2 (Bit1...2)	R/W	Uint2	P1XD001, P1XD011: 0 = Antivalent P1XD002, P1XD012: 2 = Error Output (NC)	0 = Antivalent 1 = Error Output (NO) 2 = Error Output (NC) 3 = Teach Input
PNP/NPN/Push-Pull	0x0001	1	2 (Bit3...4)	R/W	Uint2	P1XD001, P1XD002: 1 = PNP P1XD011, P1XD012 2 = NPN	0 = Push-Pull 1 = PNP 2 = NPN 3 = Deactivated
Switch Point Source	0x0001	1	2 (Bit5)	R/W	Boolean	0 = Potentiometer	0 = Potentiometer 1 = IO-Link
Hysteresis	0x0001	1	2 (Bit6)	R/W	Boolean	0 = Small	0 = Small 1 = Large
Emitted Light	0x0001	1	2 (Bit7)	R/W	Boolean	0 = On	0 = On 1 = Off