

AS-i Analog Module: 2 Inputs for Leuze ODSL 30 Distance Sensors

2 ODSL Distance Sensors connectable

Connection of the ODSL 30
via M12 sockets

High protection category IP65



Article no. BWU1908: 0 ... 65 m

Article no. BWU1664: 0 ... 30 m

2 ODSL 30 can be connected to the module. The measured values are transferred asynchronously to the host according to AS-i profile 7.3. The distance sensors are connected via 4-pin M12 sockets. The communication between ODSL 30 and the AS-i module is made by RS 485.

The distance sensors are powered out of separated 24 V.

With the help of AS-i parameters the referencing can be started and the number of the connected ODSL 30 can be set. The peripheral fault is set, if an error occurs two times in succession at measuring or referencing.

Article no.	BWU1664	BWU1908
Inputs	max. 2 ODSL 30	
Power supply	out of AS-i	
Sensor supply	short-circuit and overload protected according to EN 61131	
Resolution	1 mm 16 bit signed 0 ... 32766	1 mm 16 bit unsigned 0 ... 65000
AS-i profile	7.3	
ID code	3 _{hex}	
ID2 code	D _{hex}	9 _{hex}
IO code	7 _{hex}	
Displays		
LED green (Analog 1)	state of channel 1	
LED green (Analog 2)	state of channel 2	
LED green (PWR)	AS-i voltage	
LED red (FAULT)	AS-i communication error, peripheral fault	
Operating current	< 250 mA	
Operating voltage	30 V (20 ... 31.6 V)	
Voltage of insulation	≥ 500 V	
EMC directions	EN 61 000-6-3, EN 61 000-6-2	
Operating temperature	0°C ... +70°C	
Storage temperature	-25°C ... +85°C	
Pollution degree	2	
Housing	housing for DIN-rail mounting	
Dimensions (L, W, H)	90 mm/ 80 mm/ 70 mm	
Protection category (IEC 60 529)	housing IP65	
Tolerable loading referring to humidity	according to EN 61131-2	

Programming:

(Bit-setting via AS-i parameters)

Bit P0:

1: It is measured on sensor 1
0: Sensor 1 is referencing

Bit P1:

(Bit P1 is not used, if bit P3 = 0)
1: It is measured on sensor 2
0: Sensor 2 is referencing

Bit P2:

1: Peripheral fault is allowed
0: Peripheral fault is not allowed

Bit P3:

1: Sensors 1 and 2 are used
0: Sensor 1 is used only

Settings at the ODSL 30:

Serial menu: Remote Control, Baudrate 19200, Node Address 0

Accessories:

- AS-i substructure module to connect 1 AS-i flat cable, 1 flat cable for additional supply (art. no. BW1181)
- AS-i substructure module to 1 AS-i round cable, 1 round cable for additional supply (art. no. BW1183)

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Connections (M12 socket, 4 pins):

1	+24V
2	RS485 TX+
3	0V
4	RS485 TX-

