

# AS-i Module for building services engineering

## AS-i Module for building services engineering

2 analog outputs 0 ... 10V  
2 digital outputs

The outputs are powered out of AS-i or out of 24V AC/DC (switchable)

Used e.g. for heating/cooling ceilings

Housing with external fastening tabs



### Article no. BW2536: AS-i module for building services engineering, with 2 analog outputs 0 ... 10V and 2 digital outputs

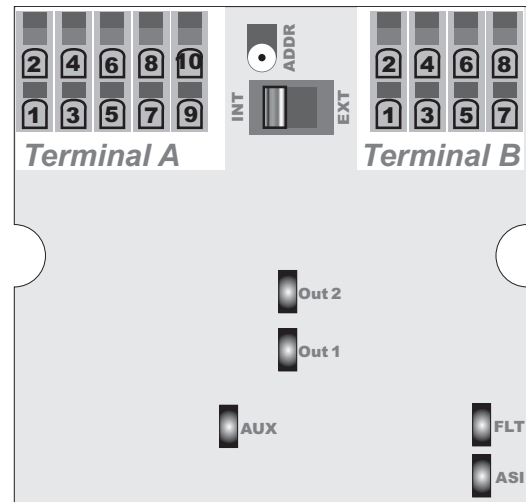
The AS-i analog slave BW2536 is a 2A-module with two additional binary switching outputs and meets the requirements of the new AS-i Specification 3.0.

The connection of actuators via cage clamp terminals. The power supply of the outputs can take place depending on the

position of the slide switch from AS-i or an external voltage (PELV) 24V AC or DC. The resolution of the analog data is 16 bit. Addressing is done either via a programming terminal or bus master.

<b>Article no.</b>	<b>BW2536</b>
<b>Connection</b>	
Connection	cage clamp terminals
<b>AS-i</b>	
Profile	S-7.A.5
ID-Code	A <sub>hex</sub>
ID2-Code	5 <sub>hex</sub>
IO-Code	7 <sub>hex</sub>
Operating voltage	30 V (20 ... 31.6 V)
Current input EXT max.	<40 mA
Current input INT max.	<140 mA
<b>AUX</b>	
Voltage max.	24 V AC/DC
<b>Output</b>	
Analog outputs	2
Range value analog outputs	0 ... 10 V DC
Digital outputs	2, AC/DC (see table)
Power supply	out of AS-i/AUX (switchable)
Output	short-circuit and overload protected (if supplied out of AS-i) according to EN 61131-2
Current at switch position EXT	≤10 mA per analog-OUT (0 °C ... 55 °C) ≤200 mA per digital-OUT (0 °C ... 55 °C)  <b>in total:</b> (digital + analog + supply) ≤1,6 A
Current at switch position INT	≤10 mA per analog-OUT (0 °C ... 55 °C) ≤20 mA per digital-OUT (0 °C ... 55 °C)  <b>in total:</b> (digital + analog + supply) ≤100 mA (≤45 °C) ≤90 mA (45 °C ... 55 °C)

#### Connections:



#### Terminal A

1,2,9,10	0V_ext_out
3	Digital_Out_Ch 1
4	Digital_Out_Ch 2
5	Analog_Out_Ch 1, 0...10V
6	Analog_Out_Ch 2, 0...10V
7,8	24V AC/DC_out

#### Terminal B

7,8	ASI-
5,6	ASI+
3,4	0V_ext_in
1,2	24V AC/DC_ext_in

#### Switch position

INT:	Voltage supply out of AS-i
EXT:	External voltage supply 24V AC/DC

# AS-i Module for building services engineering

<b>Article no.</b>	<b>BW2536</b>
Resolution	16 Bit/1 mV
Range of value	0 ... ±10.000 dec. (see table)
<b>Display</b>	
LED ASI (green)	voltage at the AS-i clamps
LED FLT/FAULT (red)	AS-i communication error, peripheral fault
LED AUX (green)	voltage supply 24V for the analog part
LED O1, O2 (yellow)	state of the digital outputs (Out 1 / Out 2)
<b>Environment</b>	
Applied standards	EN 50081-2 EN 61000-6-2 EN 60529
Housing	polycarbonate / polystyrene
Operating temperature	0 °C ... +55 °C
Storage temperature	-25 °C ... +55 °C
Pollution degree	2
Protection category	IP54
Tolerable loading referring to humidity	according to EN 61131-2
Voltage of insulation	≥500 V
Dimensions (W / H / D in mm)	93 / 93 / 55

Analog value <sup>1</sup> 1 / 2	Analog_Out_Ch 1 / 2	Digital_Out_Ch 1 / 2
10.000	10V	on
9.000	9V	
...	...	
1.000	1V	
0	0V	off
-1.000	1V	
...	...	
-9.000	9V	
-10.000	10V	

<sup>1</sup> set are all integer values between +10.000 and -10.000