AS-i Module to control damper actuators

AS-i Module for controlling damper actuators and for detection the damper position

Runtime monitoring of the damper motor in master possible

AS-i Connection by external flat cable terminal via insulation penetration technology prefabricated

AS-i Specifications 2.1/3.0

(Figure similar)

Article no. BW2482: Set of AS-i Module for controlling damper actuators and for detection the damper position (BW2028) and
Passive Distributor AS-i to Round Cable (BW2890)

The AS-i module to control damper actuators meets the requirements of the AS-i Specifications 2.1/3.0. It is used to control the damper actuator and detect the damper position ***damper open*** and ***damper close*** as well as the intermediate position „***damper opens“*** or ***„damper closes“***. In addition external contact can be requested, e.g. of an smoke detector or an temperature switch.

The connections are short-circuit -and overload protected. A watchdog function, which switches the outputs to their currentless switching state if there is no communication on the AS-i circuit, is integrated. The transfer function is permanent monitored in the integrated AS-i Slave and in the AS-i Master.

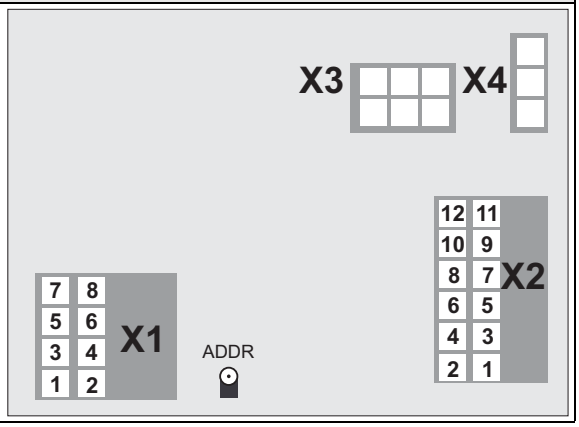
This module can be connected via cage clamp terminals or ready to plug via Belimo-compatible connector.

Article no.	**BW2482**
Connections	
Damper actuator	cage clamp terminals or Belimo-compatible connectors
AS-i	cage clamp terminals
AS-i	
Profile	S- 7. D
Address	1 single slave
Required Master profile	≥M3
Since AS-i specification	2.1/3.0
Operating voltage	30 V (26,5 ... 31,6 V)
Max. current consumption	≤420 mA
Quiescent current (inputs = 0, outputs = 0)	≤20 mA
Input	
Number	4
Power supply	out of AS-i
Power supply of attached sensors	max. 400 mA ∑ (sensors + outputs) ≤400mA
Switching threshold	≤0,8 mA (low); ≥5 mA (high)

Article no.	BW2482
Output	
Number	2
Power supply	out of AS-i
Max. output current	400 mA
Function	electronic
Short-circuit proof	yes
Loading capacity	max. 400 mA ∑ (sensors + outputs) ≤400mA
Display	
Operating	LED green
Function	LED yellow
Inputs 1 ... 4	4 x LEDs yellow
Outputs 1 ... 2	2 x LEDs yellow
Environment	
Applied standards	EN 60529 EN 61 000-6-2 EN 61 000-6-3 EN 61 000-6-4
Operating altitude	max. 2000
Operating temperature	-25°C … +60°C
Storage temperature	-40°C … +70°C
Housing	plastic, screw mounting
Protection category	IP54
Weight	250 g
Dimensions (W / H / D in mm)	90 / 160 / 55

Programming	Bit setting			
	D0	**D1**	**D2**	**D3**
	input			
	I1	I2	I3	I4
BW2482	damper closed	damper open	external contact	reserved
	output			
	O1	O2	O3	O4
BW2482	damper open up	reserved	–	–
	parameter bit			
	P0	P1	P2	P3
BW2482	not used	not used	not used	1: Peripheral fault is indicated 0: Peripheral fault is not indicated
	programming note			
BW2482	preset: address 0 changeable via busmaster programming device			

Terminal connections:				
	X1	**X2**		**X5**
1	AS-i +	In 3		In 4
2	AS-i +	+24V		+24V
3	AS-i -	In 2	S6	
4	AS-i -	+24V	S4	
5		In 1	S2	
6		+24V	S1	
7		In 4		
8		+24 V		
9		Out 1	2	
10		0V	1	
11		Out 2		
12		0V		



Scope of delivery:

- **Passive distributor AS-i to round cable (BW2890) or**
- **Connecting cable 40 cm with M12 plug (Art.-Nr. BW2065) and Passive distributor, AS-i profile cable to M12 (Art.-Nr. BW1239)**