

# Fire damper "stand alone" control unit

## Fire damper "stand alone" control unit for up to 120 fire dampers

Provided as a kit in rugged plastic housing pre-wired for easy and fast installation

Ready to connect with contactor plug

Pre-installed user software, no further configuration needed

Centralized control of damper drives and detection of damper positions

Plain text display and spontaneous diagnostics directly via device display and function LEDs

Automated testing of damper function via different test modes



(Abbildung ähnlich)

**Article no. BW3545 Fire damper „stand alone“ control unit with BACnet interface for 2 ASi networks**

**Article no. BW3547 Fire damper „stand alone“ control unit with PROFINET interface for 1 ASi network**

Article no.	BW3545	BW3547
<b>Components</b>		
BMS / DDC interface	1 x BWU3356: ASi-3 BACnet/IP Gateway in Stainless Steel, 2 ASi masters	1 x BWU3758: ASi-3 PROFINET Gateway in Stainless Steel, 1 ASi master
Power supply of ASi components	2 x BW1997: ASi power supply, 8 A	1 x BW1997: ASi power supply, 8 A
Local ASi I/Os	2 x BWU3549: ASi Digital I/O Module, IP20, 4I/4RO	1 x BWU3549: ASi digital I/O Module, IP20, 4I/4RO
Switches/Buttons	1 x BW2708: ASi Light Button Module, lighted (red/green)	
Software	1 x BW3550: Control program for Fire damper „Stand alone“ control unit	

Further information about the aforementioned articles can be found online at [www.bihl-wiedemann.de](http://www.bihl-wiedemann.de)

# Fire damper "stand alone" control unit

Article no.	BW3545	BW3547
<b>Connection</b>		
Power supply	ready to connect with contactor plug	
ASi bus	via profile cable and piercing technology at the housing bottom	
Fire alarm system	directly via push-in terminals of BWU3549	
Building ventilation system	directly via push-in terminals of BWU3549	
<b>Interface to BMS / DDC</b>		
Fieldbus	BACnet/IP	PROFINET
<b>Fire damper / fire alarm system / building ventilation system</b>		
max. number of fire dampers	60 / 120	30 / 60
max. number of fire alarm system contacts	6	3
max. number of fire damper groups	6	3
max. number of building ventilation system releases	2 (extensible)	1 (extensible)
<b>ASi</b>		
AS-i specification	3.0	
Cycle time	150 $\mu$ s * (number of slaves + 2)	
Number of ASi networks, number of ASi masters	2 ASi networks, 2 ASi masters	1 ASi networks, 1 ASi masters
Operating voltage	30 V <sub>DC</sub> (20 ... 31,6 V) (PELV voltage)	
Max. current per ASi network	2,5 A continuously (max. 8 A for 2 min.)	
<b>Environment</b>		
Operating altitude	max. 2000 m	
Operating temperature	0 °C ... +35 °C	
Housing	lower part: polystyrol, cover: polycarbonat (transparent); for screw mounting	
Protection category	IP65	
Dimensions (W / H / D) in mm	450 / 300 / 209	300 / 300 / 209

## Accessories:

- **ASi Module to control damper actuators (art. no. BW2482)**
- **Passive Distributor ASi, profile cable branch, depth 19 mm, IP67 (art. no. BW3157)**
- **ASi profile cable for data and power transmission with very high flexibility Wire section 1,5 mm<sup>2</sup> (art. no. BW2756)**