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BLUE WEST
GmbH

BWS 10

BWS technologies for light to medium-heavy applications

Access Solutions Consulting
& Sales Company

For impressive entrances
For high quality solutions
For many applications



AUTOMATIC SLIDING DOORS – BWS 10



BWS 10: Remarkably inconspicuous

We designed the BWS 10 to meet the requirements of light and medium-heavy sliding door applications. Available in standard single and twin leaf sliding models, in classic or telescopic versions.

Entrance Systems

Benefit from BWS cutting edge technologies

The majority of the BWS 10 components are taken from the BWS, which has a thoroughly proven track record in global markets, but fitted with smaller, lighter electrical motors and a specially modified control.

The BWS actively communicates between operator, sensors and remote control, enabling constant monitoring of the status of individual components, further enhancing their functionality, safety and security. Our engineers pay particular attention to ensure their long, trouble-free life. Together with these core priorities of product development, it is the carefully thought-out details that make Blue West's door systems so popular among customers. By pre-defining door movements, unnecessary triggering of opening impulses can be eliminated. Undesirable opening movements (so-called "ghosting") such as self-triggering caused by movements of the installation's own door leaves can be eliminated entirely, thanks to BWS's self-learning capabilities.

Responsible for the whisper-quiet operation typical of Blue West products is our refined gear and roller technology, augmented by profile end guides and parts made from special low noise plastic.

Tasteful Design

All applications share the same profile system, which features clear, elegant lines, and an attractive overall design. These many design options allow our door systems to be integrated equally harmoniously in a building, or become a style feature.

Approved for the highest levels of safety and security

The BWS 10 product line fulfils all relevant European and national norms and standards, including DIN 18 650, EN 16 005 and EN ISO 13 849.



Entrance Systems

Designed for light to medium-heavy door applications

Based on the BWS, the BWS 10 has been modified to meet the requirements of light to medium-heavy door applications. Both have the same system, enabling the interactive exchange of information between control, sensors and electronic remote control unit.

The most important functions

The 32-bit microprocessor control enables a wide variety of operational modes and functions. The mode of operation is selected intuitively using the BDE-D electronic remote control; the display features text in the language of your choice.

The convenient and user-friendly BDE-D remote control can also be used to set or modify application-specific door parameters such as opening and closing speeds, opening widths for reduced opening, duration of open times, etc. Alternatively, parameter setting can also be done mechanically using the robust, key operated switch.

Safety and security equipment

The BWS 10 can be fitted with motorized bolt locking. Fitting security floor rails with extended blades can further enhance burglar protection levels.

One optional available is manual unlocking in or outside buildings to guarantee the opening of the automatic door during power failures. Another is a rechargeable battery equipped with charging status monitoring to open or close the door in emergencies. For the French market we even supply the CO48 emergency opening system, but with some restrictions on door leaf weights.

	BWS 10 – Standard sliding doors		BWT 10 – Telescopic sliding doors	
Door models	BWS 1 leaf	BWS 2 leaves	BWT 2 leaves	BWT 4 leaves
Opening width	800 – 2000mm	800 – 2500mm	800 – 2500mm	1440 – 3000mm
Max. height of passage	2500mm	2500mm	2500mm	2500mm
Max. door leaf weight	1 x 120kg *	2 x 75kg *	2 x 80kg *	4 x 50kg *
Recommended application	For light duties in tight spaces	For functional entrances with large entrance widths	For maximum entrance widths in tight spaces	For elegant entrances with large entrance widths

* In line with examination certificate; up to 20 % higher weights possible at reduced acceleration levels

Door applications	BWS 10	BWS	Special door automation
Standard sliding doors with 1 or 2 leaves	●	●	BWS Special door
Telescopic sliding doors with 2 or 4 leaves	●	●	BWS Special door
Sliding doors with break-out system		●	
Round and angled sliding doors			BWC
Folding doors			BWF
Special models		possible	possible
Operator height	108 / 150mm	108 / 150mm	> 150mm
Escape route systems RED ● / CO48 ● / BWB ●	●	● ● ●	● ● ●
Optional equipment			
Motorized bolt- ● or multi-point locking MPV ●	●	● ●	● ●
Profile system 20mm (up to 10mm single layer glass)	●	●	●
Profile system 32mm (up to 24mm insulating glass)	●	●	●
Foreign profiles up to 65mm	●	●	●
Door protective screen (designed entirely in glass)	●	●	●
Rechargeable battery for emergency opening ● or emergency operation ●	●	● ●	● ●
Peripheral devices			
BW BDE-D remote control device with text display	●	●	●
BW sensor systems	●	●	●
BW diagnostic maintenance tool	●	●	●



Entrance Systems

Blue West peripheral devices: sensors and remote control units

A decisive contribution to the success of our products is the fact that we are one of the few manufacturers of automatic doors that develops and makes both the hardware and software found in our control and sensor devices. This enables us to implement the improvements made by our developers and engineers in the most effective way possible by allowing the coordination of individual improvements on an on-going basis.

When analysing its immediate environment, the Blue West RAD 290 motion detector permanently communicates with the control device. The detection field is defined electronically, allowing it to eliminate previously acquired door movements. Time-consuming mechanical fine adjustment of the sensor is thereby eliminated. Also, changes to the field due to temperature differentials are largely uncritical.

The Blue West RIC 290 sensor device uses both radar and infrared technologies. It is equipped with both motion and presence detectors that trigger opening and closing operations with a high level of security. The device actively communicates with the door control, and recognizes persons in the passage area. Several light curtains also prevent collisions with the door leaves. The Blue West AIR 290 is a pure active infrared motion and presence detector, ideally suited to delineated detection fields such as are found in lobbies and security interlocks.

Remote control unit with text display

The electronic remote control device BDE-D is equipped with an illuminated display and features user-friendly, highly convenient menu navigation. Several operational modes are available to program basic door functions. These can be individually adjusted to make sure running characteristics meet specific needs. The ease of use is ensured by the clear menu structure, available in the local language.

Sensors



radar-equipped motion detector RAD 290



motion and presence detector RIC 290



active infrared motion and presence detector AIR 290



flush-mounted model

Remote control units



BDE-D (60 x 60 mm) with surface-mounted housing



Customized BDE-D with key-operated contact



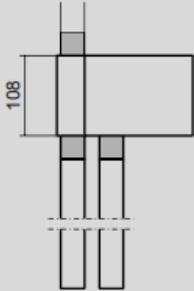
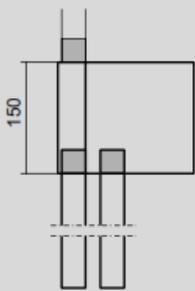
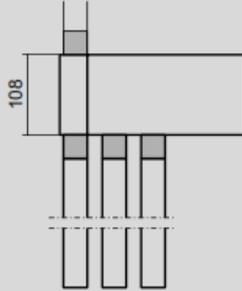
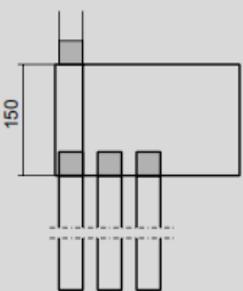
BDE-D slim-line (44 x 92 mm)



Mechanical with key-operated switch

Entrance Systems

Specifications

	BWS 10 –Standard sliding doors		BWT 10 –Telescopic sliding doors	
	BWS 1 leaf	BWS 2 leaves	BWT 2 leaves	BWT 4 leaves
Operator dimensions	with cladding 194 x 108 / 150 mm without cladding 157 x 108 / 150 mm		with cladding 259 x 108 / 150 mm without cladding 222 x 108 / 150 mm	
Door movement	1.5 s to 0.7 m	1.0 s to 0.7 m	1.5 s to 0.7 m	1.0 s to 0.7 m
Mass				
Power supply	230V / 50 / 60Hz			
Power consumption	85W in operation / 25W in idle mode			
Ambient temperature	-15°C to +50°C			
Remote control	Electronic with illuminated display (BW BDE-D)			
Operational modes	<ul style="list-style-type: none"> → Automatic operation → Continuously open → Manual operation 		<ul style="list-style-type: none"> → One-way traffic → Locked 	
Programmable functions	<ul style="list-style-type: none"> → Customer-specific door parameters → Control lock → Bell contact 		<ul style="list-style-type: none"> → Emergency opening and closing (programmable parameters) → Energy-saving function (automatic entrance widening TOWA) 	
Options	Sensor, safety and security <ul style="list-style-type: none"> → Bolt locking device VRR 20 → Motion detector RAD 290 → Motion and presence detector AIR 290 → Multi-purpose sensor RIC 290 → Floor safety rail → Floor lock → Key operated switch SSK → CO48 escape route door system (France) → Protective screen 		Additional equipment <ul style="list-style-type: none"> → Optical locking display → Emergency-open button → Manual unlocking inside and outside of door → Battery for emergency operation during power failure → Locking device surveillance → Detachable operator housing 	
Assembly variants	→ Lintel-mounted, free standing or on the ceiling			

Thank you for your attention