



Introduction.

The B&D Doors Product Manual provides product descriptions, illustrations, features, specifications, installation requirements, available options, diagnostic information and exploded views.

The Product Manual has been developed in its current format to facilitate a more efficient process of updating and supplying information.

If someone has requested information from you on any of our products, simply direct them to our website www.bnd.com.au or copy and paste the relevant page and send it to them.



Warranty.

Terms & Conditions

WARRANTY CERTIFICATE

Purchased From: _____

Your Name: _____ Telephone No: _____

Address: _____

Installed By: _____ Installation Date: _____

B&D Doors Sales No: _____ B&D Opener Model No: _____
(found on a sticker to the side of the sectional door) (located on opener casing)

Invoice No: _____ B&D Door Model: _____ B&D Opener Model: _____
(eg, Prodigy, Advanced, CAD S)

Please retain this completed warranty form along with your invoice as proof of purchase to validate your claim.

1. MAKING A CLAIM

To make a warranty claim you must:

- (a) produce a copy of the receipt of purchase, together with this warranty certificate with the above details completed; and
- (b) where the Product has been sold by B&D, make all warranty claims directly with B&D by sending it to B&D at the relevant address set out in paragraph 2 below; or
- (c) where the Product has been sold by an approved distributor, make all warranty claims directly with the approved distributor. If you are unsure of the correct address of the approved distributor from which you purchased the product, you can send your claim to B&D with the rest of the above details completed, including the original invoice number, and we will forward it to the distributor.

You are responsible for the expense of making a claim under this warranty.

2. STATUTORY GUARANTEES OR WARRANTIES

Australia If you are a consumer under the Australian Consumer Law, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. This warranty certificate and other statements contained in this document or other B&D documents given to you do not exclude, restrict or modify the application of all or any of the provisions of the Australian Consumer Law.

New Zealand This warranty certificate and other statements contained in this document or other B&D documents given to you do not exclude, restrict or modify the application of the New Zealand Consumer Guarantees Act (collectively defined as the "Act"); or the exercise of rights conferred by other statutory provisions which cannot be excluded, restricted or modified, provided that to the extent that the Act or other statutory provision permits B&D to limit its liability for a breach of a statutory guarantee, implied condition or warranty, B&D's liability for such breach is limited to the payment of the cost of replacing the Product or acquiring an equivalent Product or repairing the Product.

In Australia, this warranty is given by B&D Australia Pty Limited (ABN 25 010 473 971) of 34-36 Marigold St, Revesby NSW 2212, ph 13 62 63 and email bndenquiries@bnd.com.au

In New Zealand, this warranty is given by B&D Doors (NZ) Limited of 67 Wickham St, Bromley, Christchurch 8062, ph 03 384 5145 and email enquiries@bnd.co.nz

This warranty document is not intended to create a contract between B&D and the purchaser.

3. B&D OR APPROVED DISTRIBUTORS ONLY

This company warranty does not derogate from and is in addition to any statutory, non-excludable guarantees or warranty rights under Australian or New Zealand laws (as applicable). This warranty applies only to Products sold by B&D or its approved distributor. "B&D" means in Australia – B&D Australia Pty Ltd of 34-36 Marigold St, Revesby NSW 2212, and in New Zealand – B&D Doors (NZ) Limited of 67 Wickham Street, Bromley, Christchurch 8062. Approved distributor means an approved reseller of B&D products purchasing on open account, from B&D, for the purpose of supplying those products to end users.



Terms & Conditions

4. WHAT THE COMPANY WARRANTY COVERS

B&D warrants, subject to clauses 5 & 6 and in addition to your statutory nonexcludable rights, that it will, at its option, either repair or replace (in a manner B&D considers reasonable eg touch up of surface coatings) any proven defects:

- (a) in installation for a period of one year from the date of installation where the Product has been installed by B&D – this warranty does not extend to installation by approved distributors;
- (b) all doors in normal residential and industrial/commercial use are covered by a 1 year warranty on all electronically controlled lock mechanisms, as well as all surface coatings (other than the appearance or grain of the timber finish for B&D Natural Timber Doors or timber look doors);
- (c) in materials, manufacture or workmanship in the Product, as follows, for:
 - (i) **B&D Residential Overhead Doors** (including Flex-A-Door, but excluding the doors listed individually below) – in normal residential use are covered by a 1 year warranty for all components and associated labour;
 - (ii) **B&D Rolling Doors** – in normal residential and industrial/commercial use, are covered by a 1 year warranty on locking mechanism and all other components (excluding steel door curtain and associated labour). Warranty for steel door curtain, covering steel cracking and lock seam failure and associated labour is covered for Roll-A-Door – 7 years, Firmadoor Roll-Up door – 3 years, Rollmasta – 1 year;
 - (iii) **B&D Panelift® and Storm-Shield™ Overhead Doors** – in normal residential use are covered by a 3 year warranty for all components and associated labour;
 - (iv) **B&D Panelift® Icon™ Doors** – in normal residential use are covered by a 5 year warranty for all components and associated labour, subject to paragraph 4. If you have purchased the 2 year extended warranty, all the warranty terms and conditions for the Panelift® Icon™ will be extended for a further 2 years at the conclusion of the standard 5 year warranty period, subject to the terms of this warranty certificate;
 - (v) **B&D 10 Year Total Confidence Warranty** – by purchasing a pure B&D Door and Opener system and registering online, the warranty term is extended to 10 years (on selected components) see bnd.com.au for more details.
 - (vi) **B&D Designer Series Sectional Doors** – in normal residential use, are covered by a 10 year warranty for all components and associated labour;

- (vii) **B&D Industrial/Commercial Doors** – in normal use, are covered by a 1 year warranty for all components and associated labour;

and in each case the warranty applies from the later of the date of purchase, delivery or installation by B&D or an approved distributor (as applicable).

5. WHAT THE COMPANY WARRANTY DOES NOT COVER

- (a) **springs** – you will need to pay for the adjustment or replacement of springs during the warranty period unless you have purchased a Panelift® Icon™ door with extended warranty, in which case springs requiring replacement will be replaced free of charge for 7 years from the date of installation. The free replacement of springs does not include adjustment of springs due to normal wear and tear. Note - Both the standard and extended warranties apply to doors used in standard single dwelling residential applications;
- (b) **variations to timber look** – timber look finishes are designed to mimic the natural look of timber. Variations in colour or appearance are not covered by this warranty;
- (c) **damage from impact** – damage that occurs from an object striking your door; (d) **corrosion** – damage due to salt or other corrosion;
- (e) **high frequency** – uses of the Product in high frequency situations (i.e. where the door goes through a high number of cycles per month, for example, entry to a car park or frequently operated factory doors) results in higher levels of wear than is normal and the duration of warranty will be reduced accordingly, depending on the product and the frequency. You will need to consult B&D for further information regarding the applicable warranty period for such applications;
- (f) **model modifications** – B&D will not be required to incorporate modifications made to existing/future Product models;
- (g) **travel expenses** – incurred by B&D or its approved distributor in either travelling to and from or transporting the Product to and from your premises – you will need to pay for these travelling expenses; or
- (h) **additional access expenses** – incurred by B&D or an approved distributor in obtaining access where the Product is not readily accessible – you will need to pay for those additional expenses.



Warranty.

Terms & Conditions

6. WHAT VOIDS THE COMPANY WARRANTY

Subject to paragraph 6, this warranty does not extend to, and B&D will be relieved of, all obligations, responsibilities and liabilities in the event that defects in the Product are directly or indirectly, in the opinion of B&D, due to or resulting from:

- (a) **unreasonable use** – the Product not being used correctly in accordance with the Instruction Manual or other unreasonable use;
- (b) **instructions** – failure to observe any instructions or directions (including “warning” notifications in the Instruction Manual), provided with the Product or given to the purchaser by B&D or an approved distributor;
- (c) **other devices** – the Product being fitted with any closing device which is not of the type or condition defined in the Instruction Manual as suitable for installation of the Product;
- (d) **installation** – faulty installation of the Product where such installation is not carried out by B&D;
- (e) **Design-A-Door®** – inserts being fitted or replaced by someone other than B&D or its approved distributors;
- (f) **unauthorised acts** – modifications, or repairs made or attempted to be made by you or any unauthorised person;
- (g) **service** – lack of proper maintenance, service or care of the Product, including as recommended by B&D;
- (h) **outside control** – events or acts beyond the reasonable control of B&D;
- (i) **water damage** – including effects from rust and corrosion; or
- (j) **corrosive environments** – salt corrosion or damage to the surface coatings or base materials due to environmental conditions (such as proximity to the sea-front or similar corrosive conditions).

EVEN IF YOU ARE UNABLE TO CLAIM UNDER A COMPANY WARRANTY DUE TO CLAUSES 5 OR 6, YOU MAY STILL BE ENTITLED TO THE BENEFIT OF THE CONSUMER GUARANTEES REFERRED TO IN CLAUSE 2.



Glossary

ANODISED	A hard non-corrosive oxide film on the surface of aluminium doors or grilles caused by electrolytic action. Typically clear in colour.
ANTI SAG TRUSS KIT	Engineered metal brace support for larger doors (typically tilts) to prevent excessive sagging or deflection.
ACCREDITED DEALER	An approved distributor of B&D products who has sat and passed B&D's formal accreditation testing, and been accepted into the programme.
APPROVED DEALER	A reputable reseller of B&D products purchasing on open account, from B&D, for the purpose of supplying and installing those products to end users.
AUTOMATIC CLOSING	Mechanical controlled self-closing feature of a fire door activated upon melting of a fusible link. Also refers to a feature of the residential garage door opener.
AXLE	Central shaft running through the drum or roll of a Roll-A-Shutter™, Roll-A-Door® or Roll-A-Grille™. The axle is typically square, hexagonal, round, cylindrical or solid.
B.S.F. (Brick Side Fix)	Type of tilt fitting used on brick opening with no returns.
BINET	Specific design name used for tilt panel styles.
BOTTOM RAIL	The reinforcing rail at the bottom of the rolling door or shutter curtain. Typically aluminium or steel to provide rigidity during operation.
BRACING	See reinforcing.
BRACKET	The door axle is supported by bolted clamps on angle brackets, which are fixed to the walls, jambs or ceiling of the structure. Brackets may be pressed steel or fabricated.
CAD (Controll-A-Door®)	B&D trade name for domestic electric door opener.
CABLE	Multi-strand wire used on Panelift® doors to attach the bottom panel door brackets to the counterbalance mechanism (torsion assembly including spring). The cable winds on to a cable drum as the door opens, and in certain low headroom applications may ride over a pulley wheel.
CABLE DRUMS	Grooved drum on torsion spring axle. Drum typically has indentations to allow cable to wind easily during operation of door.
CANOPY	This relates to the section of the door (typically tilts) which protrudes horizontally and externally from the lintel when the door is open. It may also refer to the covering used for rolling doors and door openers in metropolitan rear lane applications where the door can not be installed onto a roofed garage structure.
CAPRICE™	B&D Panelmasta® model name.
CAPSTAN WHEEL	Cast wheel used to wind tension on to either Panelift® or Roll-A-Shutter™ springs.
CAST IRON SADDLE	Component of clamps used to hold tension on industrial rolling door axles.
CATHEDRAL	See "window". Design of patterned window insert used on Panelift® doors.
CHAIN WHEEL	Typically applies to rolling doors and shutters. The chain drive is used to manually assist with the opening and closing of doors, and rides over the chain wheel.
CHANNELS	Multiple channel transmitters can have either multiple buttons eg. 62170 or one button with a slide switch. One multiple channel transmitter can be used to operate receivers eg. A 3 channel transmitter has 3 control channels. Each control channel can be programmed into separate receivers. Eg. No.1 channel can be coded into a door, No.2 channel can be coded to another door and No.3 channel could be coded to operate a gate or other device.
CLASSIC™	B&D Panelmasta® model name.



Glossary

COLORBOND®	Trade name for Bluescope Steel pre-painted steel which offers a highly corrosive resistant finish in an extensive colour range. B&D rolling and sectional, and some tilting panel models use COLORBOND® steel curtains.
COMBO SPRING BRACKET	A bracket designed to remove the need to fasten Panelift springs to the lintel.
COMMERCIAL	Retail, shops, hotel applications, etc.
CONTROLL-A-DOOR®	See CAD.
CONTEMPORARY™	B&D Panelmasta® model name
CORRUGATION	Continuous parallel indentation formed by brake pressing or roll forming to create curtain profile. Applied to specific model tilt curtains, and rolling doors.
COUNTER WEIGHT	Used in hinged mullion applications to assist in moving the mullion out of opening (to be supplied by client).
CRATING	Packaging used to minimise damage to the door during transport. Typically cardboard or timber.
CYCLES	Number of times a door opens and closes.
DIP SWITCH	Coding system used in some accessories such as transmitters.
DIRECT DRIVE	Chain or crank operated mechanisms for shutters and rolling doors.
DIRECT LIFT	A direct drive motor requiring no springs within the drum.
DRUM	Applies to rolling doors, grilles and shutters. The drum is the item, which separates the axle or spindle from the curtain. The curtain is fixed and rolls on to the drum.
EMB-A-SEAL™	A flame retardant seal.
EMBOSSED	The action of pressing or raising steel to provide a pattern or finish (such as woodgrain). Typically used in Statesman® type doors.
END CLIP	End clips are attached to the end of the slat to prevent the slat moving sideways within the guides and to act as the wearing surface between slats and guide in the operation of the door. For standard application, end clips are made of nylon. For wind locked and fire resistant shutters, end clips are made of malleable iron.
END STILE	See Stiles.
ENVIROPANEL™	B&D product name.
ESCAPE GATE	Also known as egress gate. Small hinged access door allowing entry or departure through opening, without the need to open the garage door. Has no bottom reinforcing frame. The door opens outwards.
EXCLUDE-A-SEAL™	A seal bonded to the floor for additional weather proofing.
EXTRUSION	Typically aluminium. Hot forming manufacturing process to configure strip or rod into specific sections. Used for framing and top/bottom rails.
FACE PLATE	The plate in which a cylindrical lock is housed and mounted in a rolling door.
FASCIA	See head infill.
FEDERATION	B&D Panelift® model name.
FIRMADOOR® Roll-Up Door	Trade name for Firmadoor® rolling door.
FIRMAPANEL®	Trade name for Firmadoor® sectional overhead door.
FIXED TAPER	See taper. Applies to Panelift®. The bottom panel is cut to suit the slope of the floor.
FOLLOW THE ROOF	Type of track system associated with some sectional overhead doors used in conjunction with sloping ceilings.



Glossary

FRAME	Typically applies to the structure used to encase panels in sectional doors. May be standard, heavy duty or box section from rolled channel or aluminium extrusion.
GALVANISE	Zinc coating to protect steel against corrosion. Coating thickness may vary depending on application.
GALVABOND	Trade name for Bluescope Steel galvanised steel. Used for B&D Roll-A-Shutter™. Suitable for overpainting based on Bluescope Steel specification.
GAUGE	The thickness of the aluminium or steel material used to form door curtains and accessories. This is typically specified as "base metal thickness" for structural and serviceability specification. "Total coated thickness" gives an indication of paint or galvanising thickness.
GDO	Garage Door Opener.
GRANGE®	B&D Panelift® and Firmapanel® model name.
GRILLE	A rolling type curtain constructed from individual bars and cross-links offering security without loss of visibility or ventilation.
HANGERS	The brackets attached to the door which house (and carry the load) of the door rollers, which in turn ride in the tracks.
HARDWARE	Miscellaneous components, such as brackets, hinges, guides and tracks. Supplied as part of the door or separately and form an integral part of the door when installed.
HEAD INFILL PANEL	An individual panel supplied to span above the lintel in material identical or compatible with the door curtain. Non structural member. Provides appearance, security and weather resistance. Can be used to create headroom clearance required.
HINGED MULLION	See mullion. A combined guide assembly joining two adjacent rolling doors, grilles or shutters, where centre guide hinges upwards, when both doors are fully opened, to expose full opening width.
HINGED TAPER	See Taper. Applies to Panelift® doors. Tapered section remains vertical during door operation and may extend below the lintel when the door is in an open position.
HINGES	Used to make independent panels of the door act as a complete door. The hinges are placed at the centre stiles and act to hold the panels together, while allowing the sections to break at horizontal joints during opening and closing movement.
HUBLINER	A nylon bearing which separates the drum and axle of a rolling door, which allows the drum to rotate during the opening of the door.
INDUSTRIAL	Factories, hospitals, high rise residential, etc.
INSULATION	Material having the ability to reduce heat, cold and noise transmission.
INSUL-SHIELD™	Insulation provide by a graphite embedded EPS material.
JAMB	The upright framing on each side of the door opening. Can be constructed from timber or steel and may be used to reinforce an opening.
JAMB FITTING	Tilting door opening mechanism specified as either 150J, 175J or 200J.
KEYED ALIKE	Two or more lock cylinders of the same series.
KICKER BOLT	The kicker bolt acts to limit the rotation of the power arm in tilting door assemblies as the door moves from the open to closed position.
KNOTWOOD™	A sublimation process to imitate a tough wood look finish.
LIFTING SYSTEM	(Manual) The integrated assembly of cables, drums springs and a torsion bar. The configuration may vary depending on clearances and headroom requirements.



Glossary

LIMIT SWITCH	Device to limit opening and closing travel of motorised door and eliminate other travel. Can be electronic or mechanical.
LINK AND PIN	Part of the Insul-Shield™ door system.
LINTEL	Typically the load-carrying member or beam placed over an opening to carry wall or roof load.
LOCK	General description for the mechanism which retains the door in a closed position. Several proprietary and generic locking systems are available relative to specific applications.
LOCKING BAR	Typically a flat bar installed horizontally which is connected to the cylindrical lock of a rolling door. The bar travels horizontally with a corrugation and passes into a slot in the guide to enable the door to lock.
LOCKSET	The kit supplied to enable the door to be locked.
LUXE™ DESIGN	Same process as powder coat but with a shimmering effect finish.
MADRID™	B&D Panelift® model name.
MAXI	Refers to Firmadoor® rolling doors over 3150mm wide.
MULLION	A bar or channel section (usually vertical) supporting and separating adjacent doors, curtains or panels. May be hinged or removed, depending on door size and clearances.
MULTIPLIERS	Relates to wind loading criteria which takes into account terrain category, structure height, shielding and topography for structures in various physical environments.
MUNTIN	See Stiles.
NULLARBOR™	B&D Panelift® model name.
OPENING HEIGHT	Distance from floor to the bottom of the lintel or top of the door opening.
OPENING WIDTH	Distance between jambs, columns, or piers of the door opening.
P7™	Trade name for B&D industrial sectional overhead doors.
PANEL	Variously known as the curtain or panel. This relates to the complete door in the case of one piece overhead doors or may relate to individual sections in sectional overhead doors.
PANELIFT®	Trade name for B&D Pinchfree™ sectional overhead doors.
PANELMASTA®	Trade name for B&D sectional overhead door.
PERFORATED	In rolling doors, this means horizontal slots pressed in a regular pattern in the curtain to aid ventilation. In shutters, perforated can mean slots or holes and should be qualified during specification.
PINCHFREE™	Hinge and panel edge design used in B&D Panelift® door. Prevents finger entrapment on the inside and outside of door.
PLANETARY GEARING	Applies to shutters and rolling doors where the opening mechanism is chain driven and the mass/size of the door is such that gearing reductions are required to operate.
POLYURETHANE	Typically a two pack durable, site applied, industrial grade paint.
POWDER COAT	A hard (typically polyester) paint applied electrostatically to protect against corrosion. Colour options available.
POWER ARM	The power arm in a tilt mechanism acts as the lever connecting the door curtain (panel) to the structure.



Glossary

PULLEY	See Sheave Pulley.
QUICK CLOSER	Sectional door mechanism designed fit into less headroom.
RDO	Rolling garage door opener.
REINFORCING	May be horizontal, vertical or diagonal members fixed to the panel/s or curtain structure of sectional overhead doors to limit deflection for excessive spans (ie. wide doors).
RESIDENTIAL	Low rise domestic application.
ROLL-A-DOOR®	B&D trade name for single continuous curtain rolling door.
ROLL-A-GRILLE™	Trade name for B&D rolling grille.
ROLL-A-SHUTTER™	Trade name for B&D rolling shutter.
ROLLING DOOR	A continuous curtain door, where the curtain opens by winding onto an axle and drum. The curtain is held in place laterally by its position in fixed vertical guides. Trade name for B&D rolling door.
ROLLMASTA®	
RUSTON	See "window". Design of patterned insert used on Panelift® doors.
SASH CORD	Attached to the bottom rail or muntin to lower a manually operated door. Also referred to as a "Pull Rope".
SDO	Sectional/Tilting garage door opener.
SERIES 1	(S1) Type of rolling door.
SERIES 2	(S2) Type of rolling door.
SERIES 3	(S3) Type of rolling door.
SEVILLE™	B&D Panelift® and Firmapanel® model name.
SHACKLE	A locking pin or bracket to retain a chain or cable in a fixed position.
SHEAVE PULLEY	Typically used in sectional doors in low headroom applications. The pulley rotates on an axle designed to handle the cable and used to control the lateral movement of the cable in the door counter balance system.
SHERWOOD	See "window". Design of patterned insert used on Panelift® doors.
SHUTTER	A curtain made of individual horizontal interlocking slats, which form a continuous panel. Individual slats act in a hinged fashion as the door rolls around the drum.
SIDEROOM	The horizontal measurement from each side of the door opening.
SLAT	Cold roll formed member of which a shutter curtain is made. Slats are formed to interlock and form a water shedding surface.
SLIDE BOLT	Locking device on the bottom rail or panel of the door, which slides into the vertical guide or suitable hole in the jamb. Typically secured by a padlock. Can be internal or external or both.
SMART BUTTON	Coding button on the back of the SDO.
SMOOTH PANEL™	B&D product name.
SMOOTH TRACK	A Panelift® Icon™ duel wheel system.
SPRING ANCHOR PLUGS	Plug inserted in the end of the torsion spring coil. Designed to enable securing of the spring to the torsion shaft.
STATESMAN®	B&D Panelift® and Firmapanel® model name.
STILES	Vertical members of a door section or panel, which provide structural rigidity, typically at the hinge location.



Glossary

STOCKTON	See "window". Design of patterned insert used on Panelift® doors.
SUNRISE	See "window". Design of patterned insert used on Panelift® doors.
TAPER	A bottom panel (fixed or hinged), typically factory fitted where uneven or sloping sites require the door to be flush with the floor.
TILT-A-DOR®	Trade name for B&D tilting door mechanism, excluding the door panels. Can be jamb or track type fitting.
TILTING DOOR	Single piece overhead garage door.
TIMBER COAT™	A wet paint finish providing a unique timber look finish.
TOP RAIL	See bottom rail. Same function, but at top of door.
TORSION	The stress applied in a helical or cylindrical fashion, typically around an axle, induced by movement.
TORSION BAR	The bar or shaft of a torsion spring assembly, which transmits lifting power of the springs to the cable drums and cables.
TRACK	The sectional overhead door track usually consists of vertical and horizontal members, which provide a roadway for the roller wheels. The vertical track is mounted to the jambs or walls and the horizontal track is mounted to the ceiling. May also refer to Track Type Tilt fittings.
TRACKLOCK	A system designed to capture B&D Windpanel™ doors.
TURINO™	B&D Panelift® model name.
TX	Transmitter.
WEATHERSTRIP	Attached to the base of the door via the bottom rail of extruded or moulded material to provide protection against rain and wind.
WHEELS	Also known as rollers. Wheels and wheel axles provide the mechanism for sectional doors to roll along tracks. Wheels are inserted into hangers.
WICKET GATE	Metal pedestrian door, typically fabricated in the same material as door curtain, the frame of which is hinged at the jamb so the door and frame swing out of the opening.
WIDELINE™	Refers to B&D rolling doors over 3150mm wide.
WINDLOAD	Load applied to the door curtain or panel by wind. Important in determining allowable door span in rolling and sectional doors and in assessing whether tilting doors can blow open or closed.
WINDLOCK	Bracket or cleat pressed into or attached to the edge of rolling doors or slat shutters. Used to retain doors subject to excessive windload from blowing in or out of vertical guides.
WINDOW	Applies to sectional doors. Prefabricated window panels of various styles to provide aesthetic finish and light. Typically acrylic, not glass.
ZINCALUME®	Trade name for Bluescope Steel pre-coated steel of zinc and aluminium alloy, which offers a highly corrosive resistant finish. Suitable for overpainting based on Bluescope Steel specification.