



B&R ENCLOSURES

FLAT ROOF ENCLOSURE SOLUTIONS

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About B&R Enclosures

Since 1955, B&R Enclosures has built a reputation for excellence in design and production, culminating in our position as one of Australia's largest enclosure manufacturers and electrical equipment integration specialists.

As an independent, 100% Australian family owned and operated business, we champion the virtues of quality, innovation, service and value. The emphasis on these aspects has sustained B&R's growth leading to Australian manufacturing and distribution facilities in Brisbane, Adelaide and Sydney and internationally in China and Saudi Arabia.

B&R's knowledge, precision, quality and unwavering commitment to creating repeatable solutions for our clients supports our position as preferred manufacturer for many private, government and commercial projects in some of Australia's harshest environments.

The business encompasses four divisions: Industrial, Data ICT, Hazardous Areas and Residential Commercial. Each division focuses on the unique needs of different market segments.

B&R regularly works with partners to provide integrated solutions for major infrastructure and mining projects. These include 'plug and play' switchboard solutions for Rio Tinto's Oyu Tolgoi mine, control stations for Ichthys on-shore LNG processing plant and Australia's NBN rollout. Ongoing relationships and collaboration are results of our ability to articulate the customer's problem and combine previous experience and knowledge with compliance to local standards.

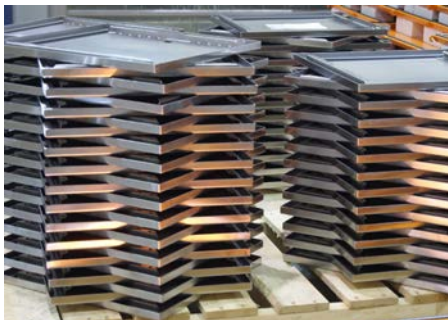
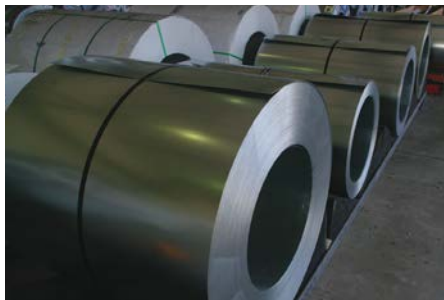
Electrical integration involves the installation, commissioning and testing of 3rd party components and we are adept at managing the acquisition and storage of technical components through a global supply chain that is structured, customised, agile, repeatable and results-based.

Project management and execution is effectively managed at B&R by the co-location of design, supervision, supply coordination and quality control along with manufacturing. Our incorporation of Industry 4.0 delivers real-time data to our project management teams, built around the requirements of individual projects.

Extensive investment in research and development includes an environmental testing facility focussing on climate control to support cooling solutions for equipment exposed to high ambient temperatures and solar radiation.

When utilised as designed, B&R's enclosures are built to out-perform against expectations.

Contact us today to find out how B&R can deliver reliable and trusted outcomes for your project.



B&R Enclosures have purpose-built manufacturing facilities in three locations across Australia, as well as strategic locations in the Gulf and China.



Australia

Brisbane (QLD)

Global head office, manufacturing, sales and warehousing

Sydney, NSW

Hazardous manufacturing, sales and warehousing

Adelaide, SA

Manufacturing, sales and warehousing

***Townsville (QLD), Newcastle (NSW),
Melbourne (VIC), Darwin (NT), Perth (WA)***
Sales and warehousing

New Zealand

Auckland

Sales and warehousing

Saudi Arabia

Dammam

Hazardous manufacturing, sales and warehousing

China

Suzhou

Manufacturing, sales and warehousing

Our Capabilities

Over the years as the company has grown, we have invested significantly in machinery, technology and testing to be able to provide capabilities which our customers benefit from in every order they place. Our current capabilities include:

- Purpose-built Australian facilities in Brisbane (18,000m²), Adelaide (4,000m²) and Sydney (1,874²), providing local labour and logistics
- Complete in-house design and engineering services to assist with creating custom solutions
- End-to-end manufacturing, from coiled steel raw material to commissioning the end product, we provide efficiency and complete quality control
- Variety of substrates and high quality finishes including stainless steel, powder coated and zinc to suit even the most demanding applications
- Modern machinery for any design to be formed and fabricated including automated sheet metal panel benders, punching and shearing centres, electrical equipment integration lines, press brakes, powder coat lines, fabrication cells and assembly lines
- Fully documented process available with full configuration management to support a detailed documentation experience
- Complete project management including supply chain, warehousing and logistics
- In-house and external testing for hazardous area electrical equipment and impact, IP, type testing, static load, seismic, wind load, salt spray, line inspection, shock, vibration, 2000A high current switchboard temperature rise type testing, EMC and MIL-STD
- Continuous improvement with our environmental testing facility for ongoing research and development
- Existing supply agreements with leading OEMs and major raw products distributors supporting loyal and valued relationships climate control and cooling solutions

Our Supply Strategies



Made to Stock

These products are available ex stock from all our sales & warehousing branches. Contact your local sales representative to discuss requirements.



Assembled-to-Order

These products are assembled to order upon receipt of a customer order. All components required to build an ATO item cannot be sold separately and must form part of a kit. Standard lead time is 4-6 weeks from date of order.



Made to Order

These products are manufactured according to a customer's specification. They are marked in our catalogues as "▲ Available on request" and have a standard lead time of 2-3 weeks.



Engineered-to-Order

These products are a custom designed product that is 100% fit-for-purpose, delivered on-site and ready for installation. Our design & engineering team can customise an enclosure to suit the application requirements. Contact us for more information.



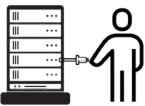
Collaboration

- Convert customer requirements to product build specifications
- Work to customer delivery schedule
- Initiate procurement or consignment of stock allocations
- Supply of equipment configuration



Complete Project Management

- One point of contact
- Responsive communication channels
- DIFOTIS - Delivered In Full On Time In Specification
- Accountability for the delivery of our commitment to customers



Electrical & Equipment Integration

- Wiring and equipment installed to exact requirements
- Management of free issue, consigned and/or B&R sourced components and equipment
- Stock reporting and job allocation



Testing & Reporting To Customer Specifications

- Digital reports of product testing and acceptance
- Serialised codes to customer requirements, digital signature, component traceability and unique identifiers
- Real time quality assurance authorisation, approval and confirmation



Customer Specific Logistics

- Storage and warehouse management
- Site delivery logistics
- Option for removal of product packaging after installation



The B&R Engagement Loop

(Project Services)

In order to engage successfully with our project customer's, B&R representatives follow a structured service plan.

We take our responsibilities seriously and take pride in fostering collaborative, open relationships with our project customers. Our approach ensures a comprehensive understanding of each project's unique needs, allowing us to deliver tailored solutions that meet diverse applications and technical specifications.

1. Our process begins with **INVESTIGATION**. Before reaching out to a customer or responding to an enquiry, we conduct thorough research into the customer, their project, and any relevant stakeholders.
2. The next step is **UNDERSTANDING**. We engage in detailed discussions with the customer to fully grasp their current challenges and future project goals. These conversations help us identify how our product solutions can address their specific needs.
3. With this valuable insight, we move to the third action: **SCOPING**. We collaborate with our in-house design, engineering, and estimating teams to assess the project requirements, prepare quotes, and create any necessary drawings.
4. Once we have developed a tailored solution, we address any potential variations and proceed to the fourth action: **AGREE**. Once all aspects are finalised and signed off, we move forward with manufacturing and equipment integration.
5. The fifth action is **DELIVERY**. We ensure that the finished product is shipped to the site in accordance with agreed timelines.
6. Finally, to continuously improve our service, we conduct an **EVALUATION**. We reflect on the project and, depending on its size and scope, seek customer feedback to confirm our performance and identify areas for improvement.



Our Customers



At B&R, quality and value are just the beginning. We strive to deliver quality products developed and manufactured by a team dedicated to excellence, backed by standards, approvals and industry accreditations.



ISO 9001:2015

Every B&R facility undergoes external audits to ensure compliance with strict ISO9001 standards. Our products are rigorously inspected at the end of the production line to guarantee they meet the demands of their intended environment and application.

Quality
ISO 9001




ISO 14001:2015

Sets out the criteria for an environmental management system. It maps out a framework that a company or organisation can follow to set up an effective environmental management system.

Environment
ISO 14001




ISO 45001:2018

An externally audited Occupational Health and Safety Management System.

OHS
ISO 45001




RoHS

The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment.



Australian Stainless Steel
Development Assoc.

ASSDA

The Australian Stainless Steel Development Association provides comprehensive technical information on stainless steel. This includes information for users, equipment manufacturers and stainless steel suppliers.

Industrial Enclosure Selection Tool

B&R offers a comprehensive range of industrial enclosures and integrated system solutions, providing reliable options for all your electrical enclosure needs. Whether you require a junction box, switchboard or a general-purpose enclosure, B&R has you covered.

With hundreds of enclosures available, including complete solutions, choosing the right one can be daunting. Our Industrial Size Selector tool is designed to simplify this process, helping you find the perfect match for your requirements. By considering factors such as size, material and level of protection, our tool makes it easier to narrow down your options.

Once you've made your selection, contact your local B&R sales rep or electrical wholesaler to assist you with any additional information needed and complete your purchase.

Go to www.brenclosures.com.au/industrial-enclosure-size-selection/ or simply scan the QR code below to get started.



Monarch IP – Zinc Coated Steel

Industrial Enclosures and Switchboard Building Systems



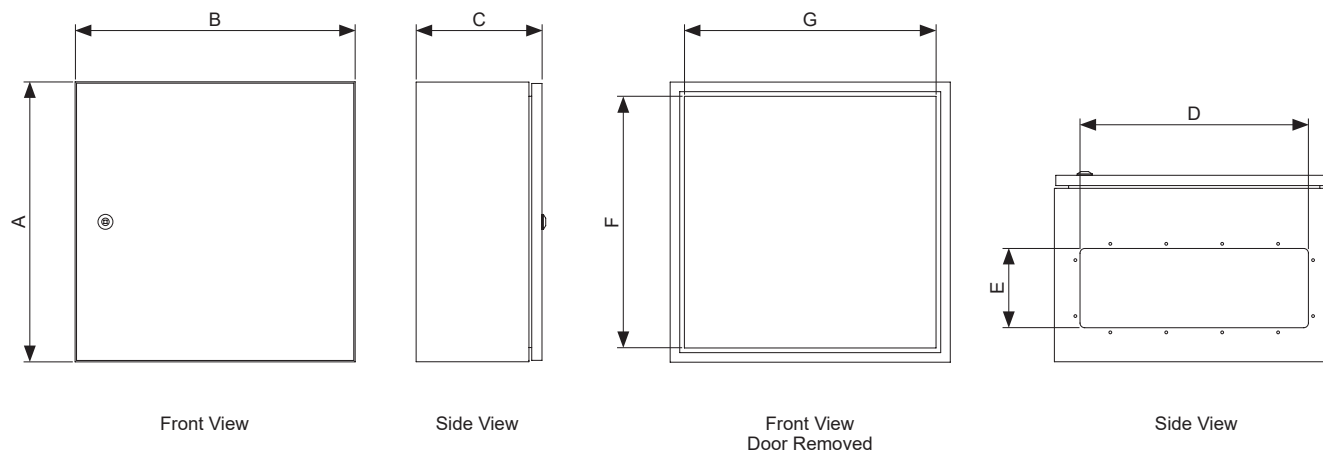
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions
 - Wind actions
- Manufactured from 1.6mm zinc coated steel.
- Powdercoated Pebble Grey RAL7032 or X15 Orange.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 1000mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- Chromed steel lock with 7mm square steel insert (IP020) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit



TECHNICAL DRAWINGS



ACCESSORIES QUICK SELECTION

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Gland Plates	22	Escutcheon Rails	28	19" Mounting Rails	30
Plinths	23	Universal Rail Kits	28	Laptop Lectors	31
Vent Kits	23	Door Stays	28	Document Holders	31
Vent Hoods	24	Shelves	29	Schedule Holders	31
Mounting Pans	24	DIN Rails	29	Backmount Frame	31
Insulated Mounting Panels	25	Eye Bolts	29	Load Centre	31
Double Hinged Insulating Panels	25	Mounting Brackets	29	General Accessories	32
Hinged Escutcheons	26	Standard Rails – C Section	30	Locks	33

ORDERING GUIDE

Part Number	Part Number	Dimensions (mm)							Material Thickness (mm)	Weight (kg)
		External			Gland Opening		Opening			
		Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)		
IP13132	IP13132/RO^	400	400	270	250	120	340	340	1.2	13.0
IP21132	IP21132/RO^	600	400	270	250	120	540	340	1.2	17.0
IP13212	IP13212/RO^	400	600	270	440	120	340	540	1.6	17.0
IP21212	IP21212/RO^	600	600	270	440	120	540	540	1.6	22.0
IP29212	IP29212/RO^	800	600	270	440	120	740	540	1.6	28.0
IP37212	IP37212/RO^	1000	600	270	440	120	940	540	1.6	33.0
IP45212	IP45212/RO^	1200	600	270	440	120	1140	540	1.6	38.0
IP21292	IP21292/RO^	600	800	270	440	120	540	740	1.6	28.0
IP13214	IP13214/RO^	400	600	400	490	170	340	540	1.6	21.0
IP21214	IP21214/RO^	600	600	400	490	170	540	540	1.6	27.0
IP29214	IP29214/RO^	800	600	400	490	170	740	540	1.6	28.0
IP45214	IP45214/RO^	1200	600	400	490	170	1140	540	1.6	45.0
IP61214	IP61214/RO^	1600	600	400	490	170	1540	540	1.6	57.0
IP69214	IP69214/RO^	1800	600	400	490	170	1740	540	1.6	63.0
IP77214	IP77214/RO^	2000	600	400	490	170	1940	540	1.6	69.0
IP25254	IP25254/RO^	700	700	400	490	170	640	640	1.6	33.0
IP37254	IP37254/RO^	1000	700	400	490	170	940	640	1.6	43.0
IP21294	IP21294/RO^	600	800	400	490	170	540	740	1.6	33.0
IP29294	IP29294/RO^	800	800	400	490	170	740	740	1.6	40.0
IP37294^	IP37294/RO^	1000	800	400	490	170	940	740	1.6	47.0
IP45294	IP45294/RO^	1200	800	400	490	170	1140	740	1.6	54.0
IP61294	IP61294/RO	1600	800	400	490	170	1540	740	1.6	69.0
IP69294	IP69294/RO^	1800	800	400	490	170	1740	740	1.6	76.0
IP77294	IP77294/RO^	2000	800	400	490	170	1940	740	1.6	83.0
IP77135^	IP77135/RO^	2000	400	500	250	170	1740	340	1.6	48.0
IP29215	IP29215/RO^	800	600	500	490	170	740	540	1.6	37.0
IP45215	IP45215/RO^	1200	600	500	490	170	1140	540	1.6	50.0
IP61215^	IP61215/RO^	1600	600	500	490	170	1540	540	1.6	64.0
IP69215	IP69215/RO^	1800	600	500	490	170	1740	540	1.6	70.0
IP77215	IP77215/RO^	2000	600	500	490	170	1940	540	1.6	77.0
IP21295	IP21295/RO^	600	800	500	490	170	540	740	1.6	37.0
IP45295	IP45295/RO^	1200	800	500	490	170	1140	740	1.6	60.0
IP61295	IP61295/RO^	1600	800	500	490	170	1540	740	1.6	76.0
IP69295	IP69295/RO^	1800	800	500	490	170	1740	740	1.6	83.0
IP77295	IP77295/RO^	2000	800	500	490	170	1940	740	1.6	91.0
IP77136	IP77136/RO^	2000	400	600	440	120	1740	340	1.6	54.0
IP29216	IP29216/RO^	800	600	600	490	170	740	540	1.6	42.0
IP45216	IP45216/RO^	1200	600	600	490	170	1140	540	1.6	56.0
IP61216^	IP61216/RO^	1600	600	600	490	170	1540	540	1.6	70.0
IP77216	IP77216/RO^	2000	600	600	490	170	1940	540	1.6	84.0
IP77296	IP77296/RO^	2000	800	600	490	170	1940	740	1.6	99.0
IP77218^	IP77218/RO^	2000	600	800	490	170	1940	540	1.6	99.0
IP77298	IP77298/RO^	2000	800	800	490	170	1940	740	1.6	109.0

▲ Available on request



See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.

Monarch IP Viewing Window – Zinc Coated Steel

Industrial Enclosures and Switchboard Building Systems



- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions - Wind actions
- Manufactured from 1.6mm zinc coated steel.
- Powdercoated Pebble Grey RAL7032 or X15 Orange.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 1000mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- Chromed steel lock with 7mm square steel insert (IP020) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit
- Laminated glass viewing window - 5.4mm thick



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Vent Hoods	24	Shelves	29	Schedule Holders	31
Mounting Pans	24	DIN Rails	29	Backmount Frame	31
Insulated Mounting Panels	25	Eye Bolts	29	Load Centre	31
Double Hinged Insulating Panels	25	Mounting Brackets	29	General Accessories	32
Hinged Escutcheons	26	Standard Rails – C Section	30	Locks	33

ORDERING GUIDE

Part Number RAL7032	Part Number X15	Dimensions (mm)									Weight (kg)
		External			Gland Opening		Opening		Viewing Window		
		Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	Hight (H)	Width (I)	
IP13132/WG^	IP13132/ROWG^	400	400	270	250	120	340	340	185	185	13.0
IP21132/WG^	IP21132/RO/WG^	600	400	270	250	120	540	340	375	170	17.0
IP13212/WG^	IP13212/RO/WG^	400	600	270	440	120	340	540	175	370	17.0
IP21212/WG^	IP21212/RO/WG^	600	600	270	440	120	540	540	375	370	22.0
IP29212/WG^	IP29212/RO/WG^	800	600	270	440	120	740	540	575	370	28.0
IP37212/WG^	IP37212/RO/WG^	1000	600	270	440	120	940	540	775	370	33.0
IP45212/WG^	IP45212/RO/WG^	1200	600	270	440	120	1140	540	975	370	38.0
IP21292/WG^	IP21292/RO/WG^	600	800	270	440	120	540	740	375	570	28.0
IP13214/WG^	IP13214/RO/WG^	400	600	400	490	170	340	540	175	370	21.0
IP21214/WG^	IP21214/RO/WG^	600	600	400	490	170	540	540	375	370	27.0
IP29214/WG^	IP29214/RO/WG^	800	600	400	490	170	740	540	575	370	28.0
IP45214/WG^	IP45214/RO/WG^	1200	600	400	490	170	1140	540	975	370	45.0
IP61214/WG^	IP61214/RO/WG^	1600	600	400	490	170	1540	540	1375	370	57.0
IP69214/WG^	IP69214/RO/WG^	1800	600	400	490	170	1740	540	1575	370	63.0
IP77214/WG^	IP77214/RO/WG^	2000	600	400	490	170	1940	540	1775	470	69.0
IP25254/WG^	IP25254/RO/WG^	700	700	400	490	170	640	640	475	470	33.0
IP37254/WG^	IP37254/RO/WG^	1000	700	400	490	170	940	640	775	470	43.0
IP21294/WG^	IP21294/RO/WG^	600	800	400	490	170	540	740	375	570	33.0
IP29294/WG^	IP29294/RO/WG^	800	800	400	490	170	740	740	575	570	40.0
IP37294/WG^	IP37294/RO/WG^	1000	800	400	490	170	940	740	775	570	47.0
IP45294/WG^	IP45294/RO/WG^	1200	800	400	490	170	1140	740	975	570	54.0
IP61294/WG^	IP61294/RO/WG^	1600	800	400	490	170	1540	740	1375	570	69.0
IP69294/WG^	IP69294/RO/WG^	1800	800	400	490	170	1740	740	1575	570	76.0
IP77294/WG^	IP77294/RO/WG^	2000	800	400	490	170	1940	740	1775	570	83.0
IP77135/WG^	IP77135/RO/WG^	2000	400	500	250	170	1740	340	1775	170	48.0
IP29215/WG^	IP29215/RO/WG^	800	600	500	490	170	740	540	575	370	37.0
IP45215/WG^	IP45215/RO/WG^	1200	600	500	490	170	1140	540	975	370	50.0
IP61215/WG^	IP61215/RO/WG^	1600	600	500	490	170	1540	540	1375	370	64.0
IP69215/WG^	IP69215/RO/WG^	1800	600	500	490	170	1740	540	1575	370	70.0
IP77215/WG^	IP77215/RO/WG^	2000	600	500	490	170	1940	540	1775	370	77.0
IP21295/WG^	IP21295/RO/WG^	600	800	500	490	170	540	740	375	570	37.0
IP45295/WG^	IP45295/RO/WG^	1200	800	500	490	170	1140	740	975	570	60.0
IP61295/WG^	IP61295/RO/WG^	1600	800	500	490	170	1540	740	1375	570	76.0
IP69295/WG^	IP69295/RO/WG^	1800	800	500	490	170	1740	740	1575	570	83.0
IP77295/WG^	IP77295/RO/WG^	2000	800	500	490	170	1940	740	1775	570	91.0
IP77136/WG^	IP77136/RO/WG^	2000	400	600	440	120	1740	340	1775	170	54.0
IP29216/WG^	IP29216/RO/WG^	800	600	600	490	170	740	540	575	370	42.0
IP45216/WG^	IP45216/RO/WG^	1200	600	600	490	170	1140	540	975	370	56.0
IP61216/WG^	IP61216/RO/WG^	1600	600	600	490	170	1540	540	1375	370	70.0
IP77216/WG^	IP77216/RO/WG^	2000	600	600	490	170	1940	540	1775	370	84.0
IP77296/WG^	IP77296/RO/WG^	2000	800	600	490	170	1940	740	1775	570	99.0
IP77218/WG^	IP77218/RO/WG^	2000	600	800	490	170	1940	540	1775	370	94.0
IP77298/WG^	IP77298/RO/WG^	2000	800	800	490	170	1940	740	1775	570	109.0

▲ Available on request

Monarch IP – 316 Stainless Steel

Industrial Enclosures & Switchboard Building Systems



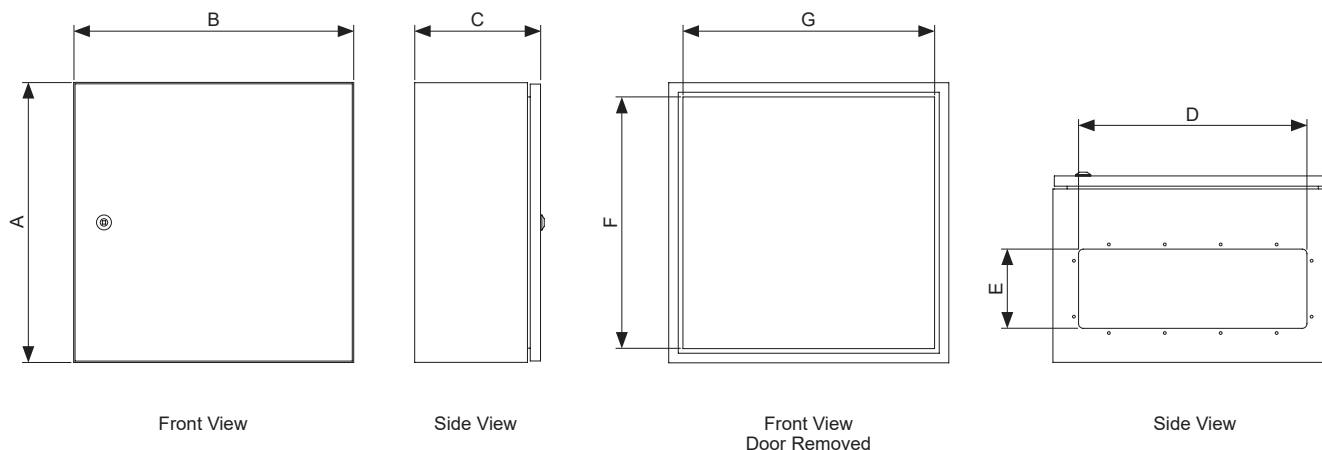
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions
- Wind actions
- Manufactured from 1.2/1.5mm 316 stainless steel.
- N4 surface finish or Powdercoated X15 Orange.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally on 400mm deep and deeper)
- Stainless steel lock with 7mm square stainless steel insert (IP020/S) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit



TECHNICAL DRAWINGS



ACCESSORIES QUICK SELECTION

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Mounting Pans	24	DIN Rails	29	Backmount Frame	31
Insulated Mounting Panels	25	Eye Bolts	29	Load Centre	31
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Hinged Escutcheons	26	Standard Rails – C Section	30	Locks	33

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		Dimensions (mm)								Weight (kg)
		External			Gland Opening		Opening		Material Thickness (mm)	
		Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)		
Part Number	Part Number X15 Ripple Orange									
IP09051/S*		300	200	175	—	—	255	255	1.2	4.2
P13091/S		400	300	175	—	—	355	255	1.2	7.0
IP13132/S	IP13132/SRO^	400	400	270	—	—	340	340	1.2	16.0
IP21132/S	IP21132/SRO^	600	400	270	—	—	540	340	1.2	16.0
IP13212/S	IP13212/SRO^	400	600	270	—	—	340	540	1.5	16.0
IP21212/S	IP21212/SRO^	600	600	270	—	—	540	540	1.5	21.0
IP29212/S	IP29212/SRO^	800	600	270	—	—	740	540	1.5	26.0
IP37212/S	IP37212/SRO^	1000	600	270	—	—	940	540	1.5	31.0
IP45212/S	IP45212/SRO^	1200	600	270	—	—	1140	540	1.5	36.0
IP21292/S	IP21292/SRO^	600	800	270	—	—	540	740	1.5	26.0
IP13214/S	IP13214/SRO^	400	600	400	490	170	340	540	1.5	20.0
IP21214/S	IP21214/SRO	600	600	400	490	170	540	540	1.5	25.0
IP29214/S	IP29214/SRO^	800	600	400	490	170	740	540	1.5	31.0
IP45214/S	IP45214/SRO^	1200	600	400	490	170	1140	540	1.5	42.0
IP61214/S	IP61214/SRO^	1600	600	400	490	170	1540	540	1.5	53.0
IP69214/S^	IP69214/SRO^	1800	600	400	490	170	1740	540	1.5	59.0
IP77214/S^	IP77214/SRO^	2000	600	400	490	170	1940	540	1.5	65.0
IP25254/S	IP25254/SRO^	700	700	400	490	170	640	640	1.5	31.0
IP37254/S	IP37254/SRO^	1000	700	400	490	170	940	640	1.5	40.0
IP21294/S	IP21294/SRO^	600	800	400	490	170	540	740	1.5	31.0
IP29294/S	IP29294/SRO^	800	800	400	490	170	740	740	1.5	38.0
IP37294/S	IP37294/SRO^	1000	800	400	490	170	940	740	1.5	44.0
IP45294/S	IP45294/SRO^	1200	800	400	490	170	1140	740	1.5	51.0
IP61294/S	IP61294/SRO^	1600	800	400	490	170	1540	740	1.5	64.0
IP69294/S	IP69294/SRO^	1800	800	400	490	170	1740	740	1.5	71.0
IP77294/S	IP77294/SRO^	2000	800	400	490	170	1940	740	1.5	78.0
IP77135/S^	IP77135/SRO^	2000	400	500	490	170	1940	740	1.5	78.0
IP21295/S^	IP21295/SRO^	600	800	500	490	170	540	740	1.5	35.0
IP29215/S	IP29215/SRO^	800	600	500	490	170	740	540	1.5	35.0
IP45215/S^	IP45215/SRO^	1200	600	500	490	170	1140	540	1.5	47.0
IP61215/S^	IP61215/SRO^	1600	600	500	490	170	1540	540	1.5	60.0
IP69215/S^	IP69215/SRO^	1800	600	500	490	170	1740	540	1.5	66.0
IP77215/S^	IP77215/SRO^	2000	600	500	490	170	1940	540	1.5	72.0
IP45295/S	IP45295/SRO^	1200	800	500	490	170	1140	740	1.5	57.0
IP61295/S	IP61295/SRO^	1600	800	500	490	170	1540	740	1.5	71.0
IP69295/S	IP69295/SRO^	1800	800	500	490	170	1740	740	1.5	78.0
IP77295/S	IP77295/SRO^	2000	800	500	490	170	1940	740	1.5	85.0
IP77136/S^	IP77136/SRO^	2000	400	600	120	440	1940	340	1.5	73.0
IP29216/S^	IP29216/SRO^	800	600	600	490	170	740	540	1.5	39.0
IP45216/S	IP45216/SRO^	1200	600	600	490	170	1140	540	1.5	52.0
IP61216/S^	IP61216/SRO^	1600	600	600	490	170	1540	540	1.5	66.0
IP77216/S^	IP77216/SRO^	2000	600	600	490	170	1940	540	1.5	79.0
IP77296/S	IP77296/SRO^	2000	800	600	490	170	1940	740	1.5	93.0
IP77218/S^	IP77218/SRO^	2000	600	800	490	170	1940	540	1.5	99.6
IP77298/S^	IP77298/SRO^	2000	800	800	490	170	1940	740	1.5	116.5

* Does not include body rails or C rails.

▲ Available on request



See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.

Monarch IP Viewing Window – 316 Stainless Steel

Industrial Enclosures & Switchboard Building Systems



- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions - Wind actions
- Manufactured from 1.2/1.5mm 316 stainless steel.
- N4 surface finish or Powdercoated X15 Orange.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally on 400mm deep and deeper)
- Stainless steel lock with 7mm square stainless steel insert (IP020/S) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit
- Laminated glass viewing window - 5.4mm thick



ACCESSORIES QUICK SELECTION

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Vent Kits	23	Door Stays	28	Document Holders	31
Vent Hoods	24	Shelves	29	Schedule Holders	31
Mounting Pans	24	DIN Rails	29	Backmount Frame	31
Insulated Mounting Panels	25	Eye Bolts	29	Load Centre	31
Double Hinged Insulating Panels	25	Mounting Brackets	29	General Accessories	32
Hinged Escutcheons	26	Standard Rails – C Section	30	Locks	33

ORDERING GUIDE

Part Number	Part Number X15 Ripple Orange	Dimensions (mm)							Viewing Window		
		External			Gland Opening		Opening				
		Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	Height (H)	Width (I)	Weight (kg)
IP13132/S/WG▲	IP13132/SRO/WG▲	400	400	270	—	—	340	340	185	185	16.0
IP21132/S/WG▲	IP21132/SRO/WG▲	600	400	270	—	—	540	340	375	170	16.0
IP13212/S/WG▲	IP13212/SRO/WG▲	400	600	270	—	—	340	540	175	370	16.0
IP21212/S/WG▲	IP21212/SRO/WG▲	600	600	270	—	—	540	540	375	370	21.0
IP29212/S/WG▲	IP29212/SRO/WG▲	800	600	270	—	—	740	540	575	370	26.0
IP37212/S/WG▲	IP37212/SRO/WG▲	1000	600	270	—	—	940	540	775	370	31.0
IP45212/S/WG▲	IP45212/SRO/WG▲	1200	600	270	—	—	1140	540	975	370	36.0
IP21292/S/WG▲	IP21292/SRO/WG▲	600	800	270	—	—	540	740	375	570	26.0
IP13214/S/WG▲	IP13214/SRO/WG▲	400	600	400	490	170	340	540	175	370	20.0
IP21214/S/WG▲	IP21214/SRO/WG▲	600	600	400	490	170	540	540	375	370	25.0
IP29214/S/WG▲	IP29214/SRO/WG▲	800	600	400	490	170	740	540	575	370	31.0
IP45214/S/WG▲	IP45214/SRO/WG▲	1200	600	400	490	170	1140	540	975	370	42.0
IP61214/S/WG▲	IP61214/SRO/WG▲	1600	600	400	490	170	1540	540	1375	370	53.0
IP69214/S/WG▲	IP69214/SRO/WG▲	1800	600	400	490	170	1740	540	1575	370	59.0
IP77214/S/WG▲	IP77214/SRO/WG▲	2000	600	400	490	170	1940	540	1775	370	65.0
IP25254/S/WG▲	IP25254/SRO/WG▲	700	700	400	490	170	640	640	475	470	71.0
IP37254/S/WG▲	IP37254/SRO/WG▲	1000	700	400	490	170	940	640	775	470	31.0
IP21294/S/WG▲	IP21294/SRO/WG▲	600	800	400	490	170	540	740	375	570	40.0
IP29294/S/WG▲	IP29294/SRO/WG▲	800	800	400	490	170	740	740	575	570	31.0
IP37294/S/WG▲	IP37294/SRO/WG▲	1000	800	400	490	170	940	740	775	570	38.0
IP45294/S/WG▲	IP45294/SRO/WG▲	1200	800	400	490	170	1140	740	975	570	44.0
IP61294/S/WG▲	IP61294/SRO/WG▲	1600	800	400	490	170	1540	740	1375	570	51.0
IP69294/S/WG▲	IP69294/SRO/WG▲	1800	800	400	490	170	1740	740	1575	570	64.0
IP77294/S/WG▲	IP77294/SRO/WG▲	2000	800	400	490	170	1940	740	1775	570	71.0
IP77135/S/WG▲	IP77135/SRO/WG▲	2000	800	400	490	170	1940	740	1775	170	78.0
IP21295/S/WG▲	IP21295/SRO/WG▲	600	800	500	490	170	540	740	575	370	35.0
IP29215/S/WG▲	IP29215/SRO/WG▲	800	600	500	490	170	740	540	975	370	35.0
IP45215/S/WG▲	IP45215/SRO/WG▲	1200	600	500	490	170	1140	540	1375	370	47.0
IP61215/S/WG▲	IP61215/SRO/WG▲	1600	600	500	490	170	1540	540	1575	370	60.0
IP69215/S/WG▲	IP69215/SRO/WG▲	1800	600	500	490	170	1740	540	1775	370	66.0
IP77215/S/WG▲	IP77215/SRO/WG▲	2000	600	500	490	170	1940	540	375	570	72.0
IP45295/S/WG▲	IP45295/SRO/WG▲	1200	800	500	490	170	1140	740	975	570	57.0
IP61295/S/WG▲	IP61295/SRO/WG▲	1600	800	500	490	170	1540	740	1375	570	71.0
IP69295/S/WG▲	IP69295/SRO/WG▲	1800	800	500	490	170	1740	740	1575	570	78.0
IP77295/S/WG▲	IP77295/SRO/WG▲	2000	800	500	490	170	1940	740	1775	570	85.0
IP77136/S/WG▲	IP77136/SRO/WG▲	2000	400	600	120	440	1940	340	1775	170	73.0
IP29216/S/WG▲	IP29216/SRO/WG▲	800	600	600	490	170	740	540	575	370	39.0
IP45216/S/WG▲	IP45216/SRO/WG▲	1200	600	600	490	170	1140	540	975	370	52.0
IP61216/S/WG▲	IP61216/SRO/WG▲	1600	600	600	490	170	1540	540	1375	370	66.0
IP77216/S/WG▲	IP77216/SRO/WG▲	2000	600	600	490	170	1940	540	1775	370	79.0
IP77296/S/WG▲	IP77296/SRO/WG▲	2000	800	600	490	170	1940	740	1775	570	93.0
IP77218/S/WG▲	IP77218/SRO/WG▲	2000	600	800	490	170	1940	540	1775	370	99.6
IP77298/S/WG▲	IP77298/SRO/WG▲	2000	800	800	490	170	1940	740	1775	570	116.5

▲ Available on request

Monarch IP – Aluminium

Industrial Enclosures and Switchboard Building Systems



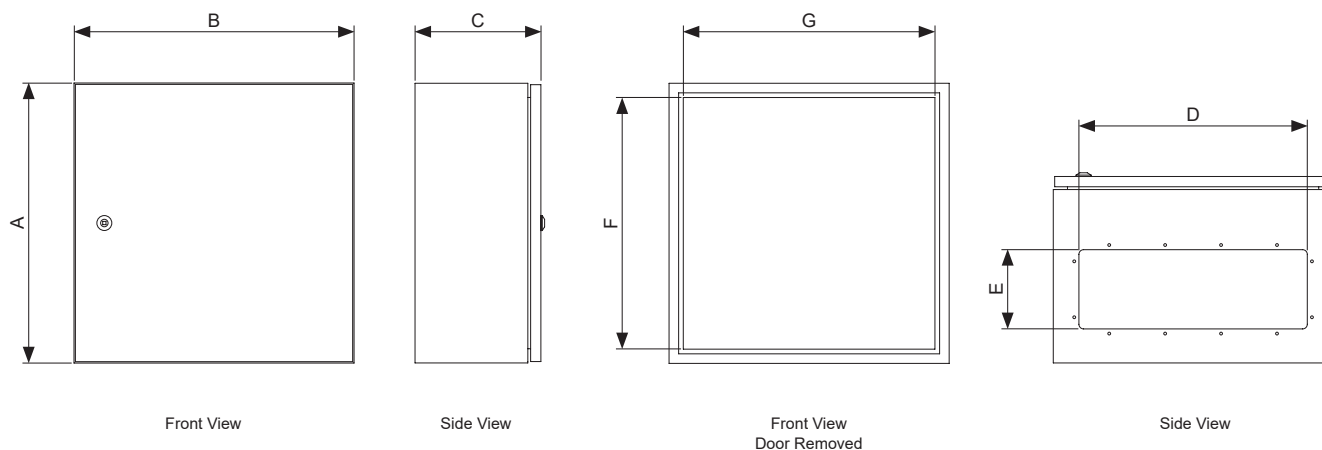
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions - Wind actions
- Manufactured from 2.5mm aluminium.
- Powdercoated Light Grey RAL7035 or X15 Orange

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- 7mm square turnbuckle lock (IP020/PS) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and higher
- Removable back on units 400mm deep and deeper
- Rear panel is internally secured
- Door rails and earth strap kit



TECHNICAL DRAWINGS



ACCESSORIES QUICK SELECTION

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Hinged Escutcheons	26	Standard Rails – C Section	30	Locks	33

ORDERING GUIDE

		Dimensions (mm)								
		External			Gland Opening		Opening			
Part Number	Part Number	Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	Material Thickness (mm)	Weight (kg)
IP13132/A^	IP13132/ARO^	407	407	272	250	120	341	341	1.2	6.5
IP21132/A^	IP21132/ARO^	607	407	272	440	120	541	341	1.2	8.5
IP13212/A^	IP13212/ARO^	407	607	272	440	120	341	541	1.5	8.5
IP21212/A^	IP21212/ARO^	607	607	272	440	120	541	541	1.5	11.0
IP29212/A^	IP29212/ARO^	807	607	272	440	120	741	541	1.5	13.0
IP37212/A^	IP37212/ARO^	1007	607	272	440	120	941	541	1.5	15.5
IP45212/A^	IP45212/ARO^	1207	607	272	440	120	1141	541	1.5	18.0
IP21292/A^	IP21292/ARO^	607	807	272	440	120	541	741	1.5	13.0
IP13214/A^	IP13214/ARO^	407	607	402	490	170	341	541	1.5	11.0
IP21214/A^	IP21214/ARO^	607	607	402	490	170	541	541	1.5	15.0
IP29214/A	IP29214/ARO^	807	607	402	490	170	1141	541	1.5	18.0
IP45214/A^	IP45214/ARO^	1207	607	402	490	170	1541	541	1.5	24.0
IP61214/A^	IP61214/ARO^	1607	607	402	490	170	1141	541	1.5	30.0
IP69214/A^	IP69214/ARO^	1807	607	402	490	170	1741	541	1.5	34.0
IP77214/A^	IP77214/ARO^	2007	607	402	490	170	1941	541	1.5	37.0
IP25254/A^	IP25254/ARO^	707	707	402	490	170	641	641	1.5	18.0
IP37254/A^	IP37254/ARO^	1007	707	402	490	170	941	641	1.5	22.0
IP21294/A^	IP21294/ARO^	607	807	402	490	170	541	741	1.5	18.0
IP29294/A^	IP29294/ARO^	807	807	402	490	170	741	741	1.5	21.0
IP37294/A^	IP37294/ARO^	1007	807	402	490	170	941	741	1.5	25.0
IP45294/A	IP45294/ARO^	1207	807	402	490	170	1141	741	1.5	29.0
IP61294/A^	IP61294/ARO^	1607	807	402	490	170	1541	741	1.5	37.0
IP69294/A^	IP69294/ARO^	1807	807	402	490	170	1741	741	1.5	40.0
IP77294/A^	IP77294/ARO^	2007	807	402	490	170	1941	741	1.5	44.0
IP77135/A^	IP77135/ARO^	2007	407	502	490	170	741	541	1.5	21.0
IP29215/A^	IP29215/ARO^	807	607	502	490	170	1141	541	1.5	27.0
IP45215/A^	IP45215/ARO^	1207	607	502	490	170	1541	541	1.5	34.0
IP61215/A^	IP61215/ARO^	1607	607	502	490	170	1741	541	1.5	37.0
IP69215/A^	IP69215/ARO^	1807	607	502	490	170	1941	541	1.5	41.0
IP77215/A^	IP77215/ARO^	2007	607	502	120	250	1941	341	1.5	42.7
IP21295/A^	IP21295/ARO^	607	807	502	490	170	541	741	1.5	21.0
IP45295/A	IP45295/ARO^	1207	807	502	490	170	1141	741	1.5	32.0
IP61295/A^	IP61295/ARO^	1607	807	502	490	170	1541	741	1.5	40.0
IP69295/A^	IP69295/ARO^	1807	807	502	490	170	1741	741	1.5	44.0
IP77295/A^	IP77295/ARO^	2007	807	502	490	170	1941	741	1.5	48.0
IP77136/A^	IP77136/ARO^	2007	407	602	120	440	1941	341	1.5	43.8
IP29216/A^	IP29216/ARO^	807	607	602	490	170	741	541	1.5	27.0
IP45216/A^	IP45216/ARO^	1207	607	602	490	170	1141	541	1.5	36.0
IP61216/A^	IP61216/ARO^	1607	607	602	490	170	1541	541	1.5	40.0
IP77216/A^	IP77216/ARO^	2007	607	602	490	170	1741	541	1.5	45.0
IP61296/A^	—	1607	807	602	490	170	1541	741	1.5	43.0
IP77296/A^	IP77296/ARO^	2007	807	602	490	170	1941	741	1.5	53.0
IP77218/A^	IP77218/ARO^	2007	607	802	490	170	1941	541	1.5	59.8
IP77298/A^	IP77298/ARO^	2007	807	802	490	170	1941	741	1.5	68.3

[▲] Available on request



See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.

Monarch IP Viewing Window – Aluminium

Industrial Enclosures and Switchboard Building Systems



- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions
 - Wind actions
- Manufactured from 2.5mm aluminium.
- Powdercoated Light Grey RAL7035 or X15 Orange.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- 7mm square turnbuckle lock (IP020/PS) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and higher
- Removable back on units 400mm deep and deeper
- Rear panel is internally secured
- Door rails and earth strap kit
- Laminated glass viewing window - 5.4mm thick



ACCESSORIES QUICK SELECTION

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ORDERING GUIDE

		Dimensions (mm)									
		External			Gland Opening		Opening		Viewing Window		Weight (kg)
Part Number	Part Number	Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	Height (H)	Width (I)	
IP13132/A/WG [▲]	IP13132/ARO/WG [▲]	407	407	272	250	120	341	341	185	185	6.5
IP21132/A/WG [▲]	IP21132/ARO/WG [▲]	607	407	272	440	120	541	341	375	170	8.5
IP13212/A/WG [▲]	IP13212/ARO/WG [▲]	407	607	272	440	120	341	541	175	370	8.5
IP21212/A/WG [▲]	IP21212/ARO/WG [▲]	607	607	272	440	120	541	541	375	370	11.0
IP29212/A/WG [▲]	IP29212/ARO/WG [▲]	807	607	272	440	120	741	541	575	370	13.0
IP37212/A/WG [▲]	IP37212/ARO/WG [▲]	1007	607	272	440	120	941	541	775	370	15.5
IP45212/A/WG [▲]	IP45212/ARO/WG [▲]	1207	607	272	440	120	1141	541	975	370	18.0
IP21292/A/WG [▲]	IP21292/ARO/WG [▲]	607	807	272	440	120	541	741	375	570	13.0
IP13214/A/WG [▲]	IP13214/ARO/WG [▲]	407	607	402	490	170	341	541	175	370	11.0
IP21214/A/WG [▲]	IP21214/ARO/WG [▲]	607	607	402	490	170	541	541	375	370	15.0
IP29214/A/WG [▲]	IP29214/ARO/WG [▲]	807	607	402	490	170	1141	541	575	370	18.0
IP45214/A/WG [▲]	IP45214/ARO/WG [▲]	1207	607	402	490	170	1541	541	975	370	24.0
IP61214/A/WG [▲]	IP61214/ARO/WG [▲]	1607	607	402	490	170	1141	541	1375	370	30.0
IP69214/A/WG [▲]	IP69214/ARO/WG [▲]	1807	607	402	490	170	1741	541	1575	370	34.0
IP77214/A/WG [▲]	IP77214/ARO/WG [▲]	2007	607	402	490	170	1941	541	1775	370	37.0
IP25254/A/WG [▲]	IP25254/ARO/WG [▲]	707	707	402	490	170	641	641	475	470	18.0
IP37254/A/WG [▲]	IP37254/ARO/WG [▲]	1007	707	402	490	170	941	641	775	470	22.0
IP21294/A/WG [▲]	IP21294/ARO/WG [▲]	607	807	402	490	170	541	741	375	570	18.0
IP29294/A/WG [▲]	IP29294/ARO/WG [▲]	807	807	402	490	170	741	741	575	570	21.0
IP37294/A/WG [▲]	IP37294/ARO/WG [▲]	1007	807	402	490	170	941	741	775	570	25.0
IP45294/A/WG [▲]	IP45294/ARO/WG [▲]	1207	807	402	490	170	1141	741	975	570	29.0
IP61294/A/WG [▲]	IP61294/ARO/WG [▲]	1607	807	402	490	170	1541	741	1375	570	37.0
IP69294/A/WG [▲]	IP69294/ARO/WG [▲]	1807	807	402	490	170	1741	741	1575	570	40.0
IP77294/A/WG [▲]	IP77294/ARO/WG [▲]	2007	807	402	490	170	1941	741	1775	570	44.0
IP77135/A/WG [▲]	IP77135/ARO/WG [▲]	807	607	502	490	170	741	541	1775	170	21.0
IP29215/A/WG [▲]	IP29215/ARO/WG [▲]	1207	607	502	490	170	1141	541	575	370	27.0
IP45215/A/WG [▲]	IP45215/ARO/WG [▲]	1607	607	502	490	170	1541	541	975	370	34.0
IP61215/A/WG [▲]	IP61215/ARO/WG [▲]	1807	607	502	490	170	1741	541	1375	370	37.0
IP69215/A/WG [▲]	IP69215/ARO/WG [▲]	2007	607	502	490	170	1941	541	1575	370	41.0
IP77215/A/WG [▲]	IP77215/ARO/WG [▲]	2007	407	502	120	250	1941	341	1775	370	42.7
IP21295/A/WG [▲]	IP21295/ARO/WG [▲]	607	807	502	490	170	541	741	375	570	21.0
IP45295/A/WG [▲]	IP45295/ARO/WG [▲]	1207	807	502	490	170	1141	741	975	570	32.0
IP61295/A/WG [▲]	IP61295/ARO/WG [▲]	1607	807	502	490	170	1541	741	1375	570	40.0
IP69295/A/WG [▲]	IP69295/ARO/WG [▲]	1807	807	502	490	170	1741	741	1575	570	44.0
IP77295/A/WG [▲]	IP77295/ARO/WG [▲]	2007	807	502	490	170	1941	741	1775	570	48.0
IP77136/A/WG [▲]	IP77136/ARO/WG [▲]	2007	407	602	120	440	1941	341	1775	170	43.8
IP29216/A/WG [▲]	IP29216/ARO/WG [▲]	807	607	602	490	170	741	541	575	370	27.0
IP45216/A/WG [▲]	IP45216/ARO/WG [▲]	1207	607	602	490	170	1141	541	975	370	36.0
IP61216/A/WG [▲]	IP61216/ARO/WG [▲]	1607	607	602	490	170	1541	541	1375	370	40.0
IP77216/A/WG [▲]	IP77216/ARO/WG [▲]	2007	607	602	490	170	1741	541	1775	370	45.0
IP77296/A/WG [▲]	IP77296/ARO/WG [▲]	2007	807	602	490	170	1941	741	1775	370	59.8
IP77218/A/WG [▲]	IP77218/ARO/WG [▲]	2007	607	802	490	170	1941	541	1775	570	68.3
IP77298/A/WG [▲]	IP77298/ARO/WG [▲]	2007	807	802	490	170	1941	741	1375	570	43.0

▲ Available on request

Monarch IP

Accessories to suit all Monarch IP enclosures

Rainhoods

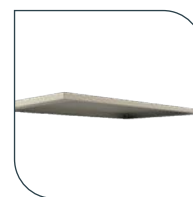
Rainhoods are designed to shed water from the top of the enclosure to prevent it from pooling on top of the enclosure. The rainhoods have an overhang of 14mm.

Part Number	Material	Dimensions (mm)			Slope Angle (Degrees)	To suit enclosures (mm)	
		Height	Width	Depth		Width	Depth
IPRH132 [▲]	Zinc coated steel	30	400	284	2.0	400	270
IPRH212		30	600	284	2.0	600	270
IPRH214		30	600	414	1.5	600	400
IPRH215 [▲]		30	600	514	1.0	600	500
IPRH216 [▲]		30	600	614	1.0	600	600
IPRH254		30	700	414	1.5	700	400
IPRH292 [▲]		30	800	284	2.0	800	270
IPRH294		30	800	414	1.5	800	400
IPRH295		30	800	514	1.0	800	500
IPRH296 [▲]		30	800	614	1.0	800	600
IPRH051/S [▲]	316 stainless steel	30	200	189	3.0	200	175
IPRH091/S [▲]		30	300	189	3.0	300	175
IPRH132/S		30	400	284	2.0	400	270
IPRH211/S [▲]		30	600	189	3.0	600	175
IPRH212/S		30	600	284	2.0	600	270
IPRH214/S		30	600	414	1.5	600	400
IPRH215/S [▲]		30	600	514	1.0	600	500
IPRH216/S		30	600	614	1.0	600	600
IPRH254/S [▲]		30	700	414	1.5	700	400
IPRH292/S [▲]		30	800	284	2.0	800	270
IPRH294/S		30	800	414	1.5	800	400
IPRH295/S		30	800	514	1.0	800	500
IPRH296/S [▲]		30	800	614	1.0	800	600

▲ Available on request



Zinc coated steel rainhood on cabinet



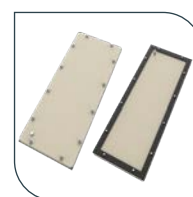
Zinc coated steel rainhood

Gland Plates

Designed for efficient and flexible fitting and installation of cable glands.

Part Number	Material	Dimensions (mm)			To suit enclosure (mm)	
		Width	Depth	Thickness	Width	Depth
IPGP31 [▲]	Zinc coated steel	290	160	1.6	400	270
IPGP41 [▲]		480	160	1.6	600 or 800	270
IPGP52 [▲]		530	210	1.6	600, 700 or 800	400, 500 or 600
IPGS31	316 stainless steel	290	160	1.5	400	270
IPGS41		480	160	1.5	600 or 800	270
IPGS52		530	210	1.5	600, 700 or 800	400, 500 or 600
IPGB31	Brass	290	160	6	400	270
IPGB41		480	160	6	600 or 800	270
IPGB52		530	210	6	600, 700 or 800	400, 500 or 600
IPGA31	Aluminium	290	160	2.5	400	270
IPGA41		480	160	2.5	600 or 800	270
IPGA52		530	210	2.5	600, 700 or 800	400, 500 or 600

▲ Available on request



IPGP

Plinths

Designed for use when mounting enclosures on the floor.

Product	Material	Part Number	Dimensions (mm)			To suit enclosures (mm)	
			Height	Width	Depth	Width	Depth
Access plinths	Steel	IPPH214	200	600	374	600	400
		IPPH215 [▲]	200	600	474	600	500
		IPPH216 [▲]	200	600	574	600	600
		IPPH294	200	800	374	800	400
		IPPH295	200	800	474	800	500
		IPPH296 [▲]	200	800	574	800	600
	316 stainless steel	IPPH295/3 [▲]	300	800	470	800	500
		IPPH214/S	200	600	374	600	400
		IPPH215/S [▲]	200	600	474	600	500
		IPPH216/S [▲]	200	600	574	600	600
		IPPH294/S	200	800	374	800	400
		IPPH295/S	200	800	474	800	500
Plinth	Channel iron	IPPH296/S [▲]	200	800	574	800	600
		IPPC212	75	600	241	600	270
		IPPC214	75	600	371	600	400
		IPPC215	75	600	471	600	500
		IPPC216	75	600	571	600	600
		IPPC254	75	700	371	700	400
		IPPC294	75	800	371	800	400
		IPPC295	75	800	471	800	500
		IPPC296 [▲]	75	800	571	800	600
		IPPC424	75	1200	371	1200	400
		IPPC425 [▲]	75	1200	471	1200	500
		IPPC504	75	1400	371	1400	400
Clamp bracket	Set of 4 (for use with channel iron plinth)	IPPCB	–	–	–	all	all
Gasket	Neoprene (4m length)	IPPC/G	3	20	–	all	all

▲ Available on request



IPPC

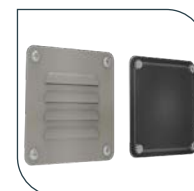
Vent Kits – IP23

Ensure that the enclosure does not become excessively hot by allowing natural circulation of air.

The vent kit includes a gasket, insert filter and fittings. Note that by the nature of this item, the enclosure will then not be rated to IP66.

Part Number	Material	Description	Dimensions (mm)		
			Height	Width	To suit cutout (mm)
IPVK	Zinc coated steel	Powdercoated RAL7032	130	130	80 x 80
IPVK/LG		Powdercoated RAL7035	130	130	80 x 80
IPVK/RO		Powdercoated X15 Orange	130	130	80 x 80
IPVK16		Powdercoated RAL7032	260	260	190 x 190
IPVK16/LG [▲]		Powdercoated RAL7035	260	260	190 x 190
IPVK16/RO [▲]		Powdercoated X15 Orange	260	260	190 x 190
IPVK/S	316 stainless steel	–	130	130	80 x 80
IPVK/SRO [▲]		Powdercoated X15 Orange	130	130	80 x 80
IPVK16/S [▲]		–	260	260	190 x 190
IPVK16/SRO [▲]		Powdercoated X15 Orange	260	260	190 x 190
IPVK/A	Aluminium	Powdercoated RAL7035	130	130	80 x 80
IPVK16/A [▲]			260	260	190 x 190

▲ Available on request



IPVK

Monarch IP

Accessories to suit all Monarch IP enclosures

Vent Hoods

Designed to suit B&R's range of fans, filters and vent kits (on selected sizes) to ensure that the fan is protected mechanically and to protect from water and dust ingress.

Part Number	Material	Colour	Dimensions (mm)			To suit
			Height	Width	Depth	
IPVH12	Zinc coated steel	Pebble Grey RAL7032	300	200	50	FAN/FIL12 & IPVK
IPVH12/LG▲		Light Grey RAL7035	300	200	50	FAN/FIL12 & IPVK
IPVH12/RO		X15 Orange	300	200	50	FAN/FIL12 & IPVK
IPVH25		Pebble Grey RAL7032	400	300	50	FAN23/28 & FAN/FIL25
IPVH25/LG▲		Light Grey RAL7035	400	300	50	FAN23/28 & FAN/FIL25
IPVH25/RO		X15 Orange	400	300	50	FAN23/28 & FAN/FIL25
IPVH35		Pebble Grey RAL7032	475	375	75	FAN/FIL35
IPVH35/LG▲		Light Grey RAL7035	475	375	75	FAN/FIL35
IPVH35/RO▲		X15 Orange	475	375	75	FAN/FIL35
IPVH12/S	316 stainless steel	N4 finish	300	200	50	FAN/FIL12 & IPVK/S
IPVH12/SRO▲		X15 Orange	300	200	50	FAN/FIL12 & IPVK/S
IPVH25/S		N4 finish	400	300	50	FAN23/28 & FAN/FIL25
IPVH25/SRO		X15 Orange	400	300	50	FAN23/28 & FAN/FIL25
IPVH35/S		N4 finish	475	375	75	FAN/FIL35
IPVH35/SRO▲		X15 Orange	475	375	75	FAN/FIL35
IPVH12/A▲	Aluminium	Light Grey RAL7035	300	200	50	FAN/FIL12 & IPVK
IPVH25/A▲			400	300	50	FAN23/28 & FAN/FIL25
IPVH35/A▲			475	375	75	FAN/FIL35

▲ Available on request



IPVH on enclosure

Metal Mounting Pans

Very simple to install using the rails supplied as part of the Monarch IP enclosure. They are manufactured from 2mm thick pre-treated mild steel with a gloss white powdercoat finish.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPMP0905	250	150	2	300	200
IPMP1309	350	250	2	400	300
IPMP1313	320	340	2	400	400
IPMP1321	320	540	2	400	600
IPMP2113	520	340	2	600	400
IPMP2121	520	540	2	600	600
IPMP2129	520	740	2	600	800
IPMP2525	620	640	2	700	700
IPMP2921#	720	540	2	800	600
IPMP2929#	720	740	2	800	800
IPMP3721#	920	540	2	1000	600
IPMP3725#	920	640	2	1000	700
IPMP3729#	920	740	2	1000	800
IPMP4521#	1120	540	2	1200	600
IPMP4529#	1120	740	2	1200	800
IPMP5321▲	1320	540	2	1400	600
IPMP5329▲	1320	740	2	1400	800
IPMP6121*	1520	540	2	1600	600
IPMP6129*	1520	740	2	1600	800
IPMP6921*	1720	540	2	1800	600
IPMP6929*	1720	740	2	1800	800
IPMP7721*	1920	540	2	2000	600
IPMP7729*	1920	740	2	2000	800

* Mounting pan features double return on sides and single return on top for extra rigidity.

Mounting pan features single return on sides.

▲ Available on request.



IPMP in enclosure

Insulated Mounting Pans

Suitable where use of a metallic pan is not acceptable. Manufactured from black laminated phenolic material and supplied with all fixings, the insulated mounting pan is easy to install and use.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPFP0905 [▲]	250	150	6	300	200
IPFP1309 [▲]	350	250	6	400	300
IPFP1313	320	340	6	400	400
IPFP1321 [▲]	320	540	6	400	600
IPFP2113 [▲]	520	340	6	600	400
IPFP2121	520	540	6	600	600
IPFP2129 [▲]	520	740	6	600	800
IPFP2525 [▲]	620	640	6	700	700
IPFP2921	720	540	6	800	600
IPFP2929 [▲]	720	740	6	800	800
IPFP3721 [▲]	920	540	6	1000	600
IPFP3725 [▲]	920	640	8	1000	700
IPFP3729 [▲]	920	740	8	1000	800
IPFP4521 [▲]	1120	540	8	1200	600
IPFP4529 [▲]	1120	740	8	1200	800

[▲] Available on request



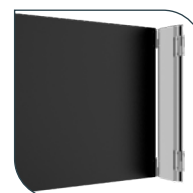
IPFP

Double Hinged Insulating Panels

Mainly used for metering applications. They are functional mounting solution for equipment installation that provides full access to the rear of the panel.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPHP1313	320	325	6	400	400
IPHP1321	320	525	6	400	600
IPHP2113	520	325	6	600	400
IPHP2121	520	525	6	600	600
IPHP2129	520	725	6	600	800
IPHP2421	595	525	6	partial height	600
IPHP2429	595	725	6	partial height	800
IPHP2525	620	625	6	700	700
IPHP2921	720	525	6	800	600
IPHP2929	720	725	6	800	800
IPHP3221 [▲]	795	525	6	partial height	600
IPHP3229	795	725	6	partial height	800
IPHP3721	920	525	6	1000	600
IPHP3725 [▲]	920	625	8	1000	700
IPHP3729	920	725	8	1000	800
IPHP4521	1120	525	8	1200	600
IPHP4529	1120	725	8	1200	800

[▲] Available on request



IPHP

Monarch IP

Accessories to suit all Monarch IP enclosures

Hinged Escutcheons

Used for covering internal controls and accessories. They can be mounted singularly or with two or more fitted into the enclosure. Fitting requires universal rail kit (see page 28).

Part Number	Dimensions (mm)			Required (rail kit)	To suit enclosures (mm)	
	Height	Width	Depth		Height	Width
IPHE1313	325	320	18	IPRK1313	400	400
IPHE1321	325	520	18	IPRK1321	400	600
IPHE1329	325	720	18	IPRK1329	400	800
IPHE1621	400	520	18		400	600
IPHE1629	400	720	18		400	800
IPHE2021	500	520	18		400	600
IPHE2029	500	720	18		400	800
IPHE2113	525	320	18	IPRK2113	600	400
IPHE2121	525	520	18	IPRK2121	600	600
IPHE2129	525	720	18	IPRK2129	600	800
IPHE2421	600	520	18		partial	600
IPHE2429	600	720	18		partial	800
IPHE2525	625	620	18	IPRK2525	700	700
IPHE2921	725	520	18	IPRK2921	800	600
IPHE2929	725	720	18	IPRK2929	800	800
IPHE3221	800	520	18		partial	600
IPHE3229	800	720	18		partial	800
IPHE3721	925	520	18	IPRK3721	1000	600
IPHE3725	925	620	18	IPRK3725	1000	700
IPHE3729	925	720	18	IPRK3729	1000	800
IPHE4021	1000	520	18		1000	600
IPHE4029	1000	520	18		1000	800
IPHE4521	1125	520	18	IPRK4521	1200	600
IPHE4529	1125	720	18	IPRK4529	1200	800
IPHE5321	1325	520	18	IPRK5321	1200	600
IPHE5329	1325	720	18	IPRK5329	1200	800
IPHE6121	1525	520	18	IPRK6121	1600	600
IPHE6129	1525	720	18	IPRK6129	1600	800
IPHE6921	1725	520	18	IPRK6921	1800	600
IPHE6929	1725	720	18	IPRK6929	1800	800
IPHE7721	1925	520	18	IPRK7721	2000	600
IPHE7729	1925	720	18	IPRK7729	2000	800



IPHE



Full height hinged escutcheons are incompatible with door stays

Fixed Escutcheons

Used for covering internal controls and accessories. They form a second tier mounting arrangement, in front of the mounting pan. They can be mounted singularly or with two or more fitted into the enclosure. Fitting requires universal rail kit (see page 28).

Part Number	Dimensions (mm)			Required (rail kit)	To suit enclosures (mm)	
	Height	Width	Depth		Height	Width
IPFE0908	225	200	18		—	—
IPFE0913	225	325	18		—	400
IPFE0916	225	400	18		—	—
IPFE0921	225	525	18		—	600
IPFE0929	225	725	18		—	800
IPFE1208	300	200	18		—	—
IPFE1213	300	325	18		400	400
IPFE1216	300	400	18		400	400
IPFE1221	300	525	18		—	600
IPFE1229	300	725	18		—	800
IPFE1308 [▲]	325	200	18	—	—	—

[▲] Available on request

Fixed Esutcheons Cont.

Part Number	Dimensions (mm)			Required (rail kit)	To suit enclosures (mm)	
	Height	Width	Depth		Height	Width
IPFE1313	325	325	18	IPRK1313	400	400
IPFE1316 [▲]	325	400	18	–	–	–
IPFE1321	325	525	18	IPRK1321	400	600
IPFE1329	325	725	18	–	400	800
IPFE1608	400	200	18	–	–	–
IPFE1613	400	325	18	–	–	400
IPFE1616 [▲]	400	400	18	–	–	–
IPFE1621	400	525	18	–	–	600
IPFE1629	400	725	18	–	–	800
IPFE2008	500	200	18	–	–	–
IPFE2013	500	325	18	–	–	400
IPFE2016	500	400	18	–	–	–
IPFE2021	500	525	18	–	–	600
IPFE2029	500	725	18	–	–	800
IPFE2108	525	200	18	–	600	–
IPFE2113	525	325	18	IPRK2113	600	400
IPFE2116	525	400	18	–	600	–
IPFE2121	525	525	18	IPRK2121	600	600
IPFE2129	525	725	18	IPRK2129	600	800
IPFE2408	600	200	18	–	–	–
IPFE2413	600	325	18	–	–	–
IPFE2416	600	400	18	–	–	–
IPFE2421	600	525	18	–	–	–
IPFE2429	600	725	18	–	–	–
IPFE2525 [▲]	625	625	18	IPRK2525	700	700
IPFE2908	725	200	18	–	800	–
IPFE2913	725	325	18	–	800	400
IPFE2916	725	400	18	–	800	–
IPFE2921	725	525	18	IPRK2921	800	600
IPFE2929	725	725	18	IPRK2929	800	800
IPFE3208	800	200	18	–	–	–
IPFE3213	800	325	18	–	–	–
IPFE3216	800	400	18	–	–	–
IPFE3221	800	525	18	–	–	–
IPFE3229	800	725	18	–	–	–
IPFE3708	925	200	18	–	–	–
IPFE3713	925	325	18	–	–	–
IPFE3716	925	400	18	–	–	–
IPFE3721	925	525	18	IPRK3721	1000	600
IPFE3725 [▲]	925	625	18	IPRK3725	1000	700
IPFE3729	925	725	18	IPRK3729	1000	800
IPFE4008	1000	200	18	–	–	–
IPFE4013	1000	325	18	–	–	400
IPFE4016	1000	400	18	–	–	–
IPFE4021	1000	525	18	–	–	600
IPFE4029	1000	725	18	–	–	800
IPFE4508	1125	200	18	–	–	–
IPFE4513 [▲]	1125	325	18	–	1200	400
IPFE4516 [▲]	1125	400	18	–	–	–
IPFE4521	1124	524	18	IPRK4521	1200	600
IPFE4529	1124	724	18	IPRK4529	1200	800



IPFE

[▲] Available on request

Monarch IP

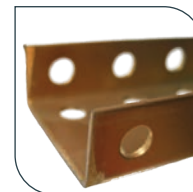
Accessories to suit all Monarch IP enclosures

Escutcheon Rails

Used where two escutcheons meet in the enclosures.

Part Number	Description	Height (mm)
IPEJ [▲]	Pack of 10	joining bracket
IPER05	—	525
IPER07	—	725
IPER19	—	1975

[▲] Available on request



IPER

Universal Rail Kits

Used to install both fixed and hinged escutcheons and complete with 4 rails and fixings. A pair of height rails and a pair of width rails are provided in each kit.

Part Number	Rail lengths (mm)		To suit enclosures (mm)	
	Rail Height	Rail Width	Height	Width
IPRK1313	375	325	400	400
IPRK1321	375	525	400	600
IPRK1329	375	725	400	800
IPRK2113	575	325	600	400
IPRK2121	575	525	600	600
IPRK2129	575	725	600	800
IPRK2525 [▲]	675	625	700	700
IPRK2921	775	525	800	600
IPRK2929	775	725	800	800
IPRK3721	975	525	1000	600
IPRK3725	975	625	1000	700
IPRK3729	975	725	1000	800
IPRK4521	1175	525	1200	600
IPRK4529	1175	725	1200	800
IPRK6121	1575	525	1600	600
IPRK6129	1575	725	1600	800
IPRK6921	1775	525	1800	600
IPRK6929	1775	725	1800	800
IPRK7721	1975	525	2000	600
IPRK7729	1975	725	2000	800

[▲] Available on request



IPRK

Door Stays

Ensures door remains open even in windy weather ensuring the safety of people working on the installed equipment.

Part Number	Quantity	To suit enclosure width (mm)
IPDS	1	All enclosures 600mm and wider



IPDS



Full height hinged escutcheons are incompatible with door stays

Monarch IP

Accessories to suit all Monarch IP enclosures



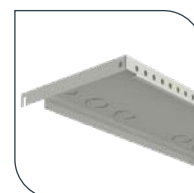
Shelves

White powdercoated shelving comes complete with knockout for cabling and all fittings. Designed for use as segregation panels for switchboard applications mounting fixed equipment.

Part Number	Dimensions (mm)		To suit enclosures (mm)	
	Width	Depth	Width	Depth
IPSH211 [▲]	563	105	600	175
IPSH212	563	160	600	270
IPSH214	563	280	600	400
IPSH215	563	380	600	500
IPSH216	563	480	600	600
IPSH254 [▲]	663	280	700	400
IPSH292 [▲]	763	160	800	270
IPSH294	763	280	800	400
IPSH295	763	380	800	500
IPSH296	763	480	800	600

▲ Available on request

**STATIC
UDL
200kg**



IPSH



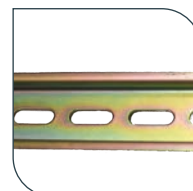
These shelves are NOT designed for load during transport.

DIN Rails

Used for mounting DIN switchgear and accessories into the enclosure. It is available for all models in aluminium, steel and slotted designs.

Part Number	Material	Description	Dimensions (mm)	
			Length	Depth
IPDN03	Aluminium	–	360	15
IPDN05 [▲]			560	15
IPDN07 [▲]			760	15
DIN35/7.5	Steel	–	2000	7.5
DIN35/7.5SL	Steel slotted	–	2000	7.5
DIN35/15AL15	Aluminium	–	1500	15
DINSB	–	Mounting kit, angle support brackets	–	–

▲ Available on request



DIN35/7.5SL

Eye Bolts

Ensures enclosure is not damaged when lifted and can be moved safely. Compliant to AS4991: Lifting Devices.

Part Number	Quantity	Lift Rating	To suit enclosure width (mm)
LEB/12	2	125kg per bolt	all

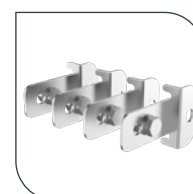


LEB/12

Mounting Brackets

For ease of installation and fixing to the mounting surface. Mounting brackets ensure optimum installation and safety.

Part Number	Material	Quantity	Static Load Rating	To suit enclosure width (mm)
MEB/S	Stainless steel	4	120kg per set of 4 (30kgs per bracket)	all
IPWM	Zinc coated steel	4	300kg per set of 4 (75 kg per bracket)	all
IPWM/S	Stainless steel	4	300kg per set of 4 (75 kg per bracket)	all



MEB/S

Monarch IP

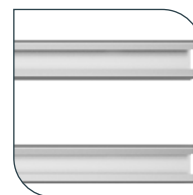
Accessories to suit all Monarch IP enclosures

Standard Rails – C Section

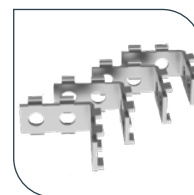
Used to fit additional accessories and rails in the enclosure.

Part Number	Description	Height (mm)	To suit enclosure depth (mm)
IPCR01 [▲]		137	–
IPCR02		232	270
IPCR03		360	400
IPCR04		460	500
IPCR05		560	600
IPCR07		760	800
IPCR12	For loose supply (customer cut to length)	1200	–
IPTO	Takeoff bracket (pack of 10)	–	–

[▲] Available on request



IPCR



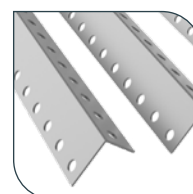
IPTO

Universal Rails

Designed for mounting equipment inside an enclosure. Either fixed lengths or can be cut to size requirements.

Part Number	Description	Length (mm)	To suit enclosure height (mm)
IPUV	25 pitch	1975	all
UV1 [▲]	20 pitch	1984	all

[▲] Available on request



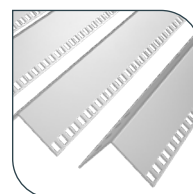
IPUV

19" Mounting Rails

Designed for mounting equipment inside an enclosure. Either fixed lengths or can be cut to size requirements.

Part Number	Dimensions (mm)			To suit enclosures (mm)	
	Height	Width	Depth	Height	Width
UV19	1946	58.5	76	–	
IPRU11	536	–	–	600	
IPRU15	758	–	–	800	
IPRU24	1158	–	–	1200	600
IPRU32 [▲]	1469	–	–	1600	
IPRU38 [▲]	1736	–	–	1800	
IPRU42 [▲]	1958	–	–	2000	
IPRU11/800 [▲]	536	–	–	600	
IPRU15/800 [▲]	758	–	–	800	
IPRU24/800 [▲]	1158	–	–	1200	800
IPRU32/800 [▲]	1469	–	–	1600	
IPRU38/800 [▲]	1736	–	–	1800	
IPRU42/800 [▲]	1958	–	–	2000	

[▲] Available on request



IPRU

Monarch IP

Accessories to suit all Monarch IP enclosures



Laptop Lecterns

Designed to allow fast and easy access when using a laptop computer. The laptop lectern protrudes 45mm inside the door. Mounting requires door rails (purchased separately).

Part Number	Description	Dimensions (mm)		To suit door (mm)	
		Width	Depth	Height	Width
IPLL▲	Laptop lectern	440	300	600 & above	600 & above
IPRD6▲	Door rails (set of 2)	—	—	—	600
IPRD8▲		—	—	—	800

▲ Available on request



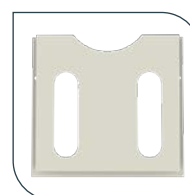
IPLL

Document Holders

Designed to standard A4 documents such as procedures and diagrams to ensure that they are kept clean and conveniently located.

Part Number	Description	To suit enclosure width (mm)
IPPLN	A4 Plastic	all
IPPLN04/35	A4 Metal	400 & above
IPPLN04/80▲	A4 Metal – Folder	400 & above
IPPLN06/15	A3	600 & above
IPPLN06/35▲	A3 Metal	600 & above
IPPLN06/80▲	A3 Metal – Folder	600 & above

▲ Available on request.



IPPLN

Schedule Holders

Used to ensure maintenance schedules are always displayed prominently.

Part Number	Description	Mounting	Colour	Dimensions (mm)			To suit enclosure (mm)	
				Height	Width	Depth	Height	Width
IPLC150▲	150 line	Door rail	Pebble Grey RAL7032	255	210	—	400	300
IPLC40▲	40 line			230	110	—	300	200
LCH40	40 line	Tape or rivets	Light Grey RAL7035	230	110	8	300	200
LCH60	60 line			260	210	8	400	300
LCH78▲	78 line			380	110	8	500	200

▲ Available on request



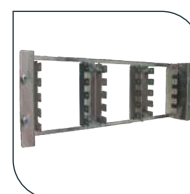
IPLC

Backmount Frame

Part Number	Description	Height (RU)
FCCD15/19*▲	15-Way, 19 inch	3

▲ Available on request

* 19 inch mounting rails required refer to page 88.



FCCD15/19

Load Centre

Part Number	Description	Height (RU)
FCLC19/19*	19-pole, 19 inch	5

* 19 inch mounting rails required refer to page 88.



FCLC19/19

Monarch IP

Accessories to suit all Monarch IP enclosures

General Accessories

A range of general accessories to suit all Monarch IP enclosures.

Part Number	Product	Description
IPNLK [▲]	Night latch kit bracket	To enable Lockwood deadbolt to be fitted
IPP06 [▲]	Hole plug (pack of 20)	M6
IPP10 [▲]		M10
IPP13 [▲]		M13
IPBO612	Bolt – hex head (pack of 20)	M6 x 12mm
IPBO625		M6 x 25mm
IPBO812		M8 x 12mm
IPBO825		M8 x25mm
IPBO830 [▲]		M8 x 30mm
IPBO0840/D [▲]	Accessory kit seal screw (pack of 10)	M8 x 40
IPN06 [▲]	Hex head nuts (pack of 20)	M6
IPN08 [▲]		M8
IPCG06	Cage Nuts (pack of 20)	M6
IPCG08		M8
IPCN06	Foam back nuts (pack of 20)	M6
IPCN08		M8
IPTO616 [▲]	Screws – taptite (pack of 20)	M6 x 16mm
IPTPO616/S [▲]	Tamper proof screws with security bit	M6 x 16mm (pack of 10)
IPWF06 [▲]	Flat washers (pack of 20)	M6
IPWF08 [▲]		M8
IPWG06	Seal washers (pack of 20)	Small
IPWS06 [▲]	Star washers (pack of 20)	M6
IPWS08		M8
IPWSP06	Spring washers (pack of 20)	M6
IPWSP08		M8
IPOR06 [▲]	Sealing ring (pack of 20)	M6
IPCDH [▲]	D handle	Chrome
ECESK [▲]	Earth strap kit	–
TUP/P20	Touch Up Paint (300g)	Pebble Grey RAL7032
TUP/P29		Light Grey RAL7035

[▲] Available on request

Locks

Locks to suit Monarch IP enclosures



Standard Locks

Enclosure	Zinc Coated Steel	Stainless Steel	Aluminium
≤1600mm	IP020 – chromed steel lock with 7mm square steel insert	IP020/S – black powdercoated lock with 7mm square stainless steel insert	IP020/PS – chromed steel lock with 7mm square steel insert
+1600mm	IP050 – lockable L handle keyed 92268	IP050 – lockable L handle keyed 92268	IP050 – lockable L handle keyed 92268

Lock Options for Monarch IP Enclosures

There are a number of lock options available that are suitable for use on Monarch IP enclosures. Contact your local sales representative to discuss your requirements.

Product	Description	Part Number	Standard Lock/Insert	Alternative insert	Keys	
					Lockable handles	Zinc, 4-way
Turnbuckle	chromed steel	IP020	7mm square – steel	See below		SKZ
	powdercoated	IP020/PS	7mm square – stainless steel	See below		SKZ
	stainless steel	IP020/S	7mm square – stainless steel	See below		SKZ
		IP028S/S	8mm square slotted – stainless steel	See below		
Wing knob	lockable	IP030	Key code 92268		SK3	
	lockable	IP030/CL001	Key code CL001			
	lockable	IP030/L003	Key code L003			
	padlockable	IP032	Suit 8mm hasp			
	padlockable - stainless steel	IP032/S	Suit 8mm hasp			
	non-lockable	IP111	–			
T-handle	lockable	IP040	Key code 92268		SK3	
L-handle	lockable	IP050	Key code 92268		SK3	
	lockable – stainless steel	IP050/S	Key code 92268		SK3	
	padlockable – steel	IP052	–			
	padlockable – stainless steel	IP052/S	–			
Swing handle	padlockable – steel	IP060	Suitable for up to 9mm diameter pad-lock shackle.			
	padlockable – stainless steel	IP060/S				



Lock Inserts for IP020 Locks

The IP020 locks are available with an option lock insert for use on all Monarch IP enclosures. Contact your local sales engineer to discuss your requirements.

To suit lock style	Description	To suit lock	Standard Insert	3mm double bit pin		8mm square		8mm square slotted		8mm triangle	
				Steel	Stainless Steel	Steel	Stainless Steel	Stainless Steel	Stainless Steel	Steel	Stainless Steel
Turnbuckle	chromed steel	IP020	7mm square – steel	LKINS3P		LKINS8S		LKINS8SS/S		LKINS8T	
	powdercoated with SS insert	IP020/PS	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S			LKINS8T/S
	stainless steel	IP020/S	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S			LKINS8T/S
Key required – zinc			SKZ	SKZ	SKZ	SKZ	SKZ	SKZ		SKZ	SKZ

Universal NI – Zinc Coated Steel

General Purpose Enclosures



- Built for industrial and demanding environments.
- Threaded sockets on the rear of the enclosure to allow mounting feet attachment without compromising the IP rating.
- 120° door opening for ease of access to internal systems.
- Conformity, Approvals:
 - CE Mark
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions
 - Wind actions
- Manufactured from 1.2/1.6mm zinc coated steel.
- Powdercoated Pebble Grey RAL7032 or X15 Orange.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Gland plate (200mm deep and above)
- Chromed steel lock with 7mm square steel insert (NI020)
- Door rails
- Earth strap kit



ORDERING GUIDE

Part Number		Dimensions (mm)								No. of Fixing Points (Suits M8 fixings)	Material Thickness (mm)	Weight (kg)
		External			Internal	Mounting Pan		Gland Opening				
Standard	X15 Orange	Height (A)	Width (B)	Depth (C)	Usable Depth (D)*	Height (E)	Width (F)	Width (G)	Depth (H)			
NI03021	NI03021/RO	300	200	150	125	250	150	–	–	4	1.2	3.9
NI03031	NI03031/RO	300	300	150	125	250	250	–	–	4	1.2	5.0
NI03041	NI03041/RO	300	400	150	125	250	350	–	–	4	1.2	6.5
NI04032◇	NI04032/RO◇	400	300	200	175	350	250	250	120	4	1.6	8.0
NI03042	NI03042/RO	300	400	200	175	250	350	250	120	4	1.6	7.5
NI04042◇	NI04042/RO◇	400	400	200	175	350	350	250	120	4	1.6	12.0
NI05042◇	NI05042/RO◇	500	400	200	175	450	350	250	120	4	1.6	14.0
NI06042◇	NI06042/RO◇	600	400	200	175	550	350	250	120	4	1.6	17.0
NI05052◇	NI05052/RO◇	500	500	200	175	450	450	440	120	4	1.6	17.0
NI04062◇	NI04062/RO◇^	400	600	200	175	350	550	440	120	4	1.6	16.0
NI06062◇	NI06062/RO◇	600	600	200	175	550	550	440	120	4	1.6	23.0
NI08062◇	NI08062/RO◇	800	600	200	175	750	550	440	120	6	1.6	30.0
NI10062◇	NI10062/RO◇^	1000	600	200	175	950	550	440	120	6	1.6	37.0
NI04043◇	NI04043/RO◇	400	400	300	275	350	350	250	120	4	1.6	14.0
NI06043◇	NI06043/RO◇	600	400	300	275	550	350	250	120	4	1.6	20.0
NI04063◇	NI04063/RO◇^	400	600	300	275	350	550	440	120	4	1.6	19.0
NI06063◇	NI06063/RO◇	600	600	300	275	550	550	440	120	4	1.6	27.0
NI08063◇	NI08063/RO◇	800	600	300	275	750	550	440	120	6	1.6	34.0
NI10063◇	NI10063/RO◇	1000	600	300	275	950	550	440	120	6	1.6	41.0
NI08083^	NI08083/RO^	800	800	300	275	750	750	440	120	6	1.6	43.0
NI10083^	NI10083/RO^	1000	800	300	275	950	750	440	120	6	1.6	52.0
NI12083^	NI12083/RO^	1200	800	300	275	1150	750	440	120	6	1.6	61.0

* Mounting pan to inside of door

◇ Includes vertical door rails

^ Includes horizontal and vertical door rails

▲ Available on request

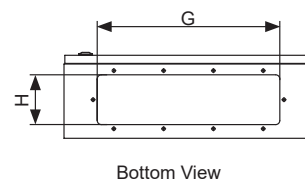
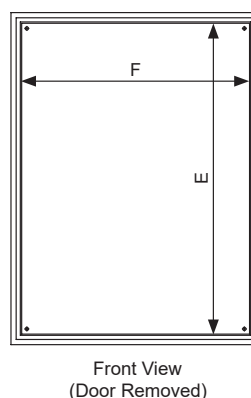
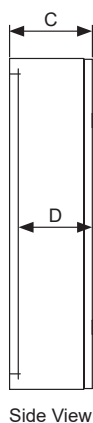
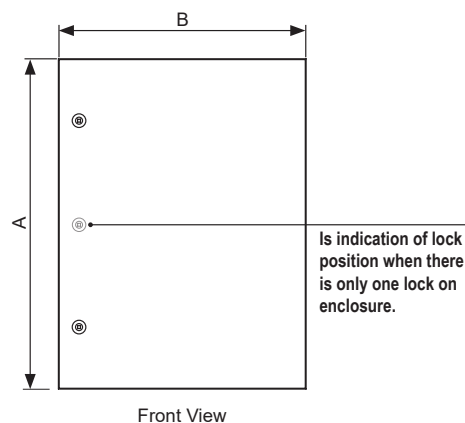
ACCESSORIES

			Dimensions (mm)			Ni03021 (/RO)	Ni03031 (/RO)	Ni03041 (/RO)	Ni04032 (/RO)	Ni03042 (/RO)	Ni04042 (/RO)	Ni05042 (/RO)	Ni05052 (/RO)	Ni04062 (/RO)	Ni06062 (/RO)	Ni08062 (/RO)	Ni10062 (/RO)	Ni04043 (/RO)	Ni06043 (/RO)	Ni04063 (/RO)	Ni06063 (/RO)	Ni08063 (/RO)	Ni10063 (/RO)	Ni08083 (/RO)	Ni10083 (/RO)	
Product	Description	Part Number	Height	Width	Depth																					
Rainhoods	Zinc coated steel	NIRH021	30	175.6	65	•																				
		NIRH031▲	30	275.6	65	•																				
		NIRH032▲	30	275.6	105		•																			
		NIRH041▲	30	375.6	65		•																			
		NIRH042	30	375.6	105				•	•	•	•														
		NIRH043	30	375.6	220												•	•								
		NIRH052▲	30	475.6	105								•													
		NIRH062▲	30	575.6	105									•	•	•	•									
		NIRH063	30	575.6	220															•	•	•	•			
		NIRH082▲	30	775.6	105																					
NIRH083▲	30	775.6	220																			•	•	•		
External vent kits – Zinc coated steel	Pebble Grey RAL7032	IPVK	130	130	–	^	^	^	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		IPVK16	260	260	–		^	^	^	^	^	^	^	^	^	^	^	^	•	•	•	•	•	•	•	
	X15 Orange	IPVK/RO	130	130	–	^	^	^	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		IPVK16/RO▲	260	260	–		^	^	^	^	^	^	^	^	^	^	^	^	•	•	•	•	•	•	•	
Wall mounting brackets – stainless steel	Set of 4	MEB/S	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Mounting flange kit – 316 stainless steel		MF2/S▲	75	200	–	•																				
		MF3/S	75	300	–		•	•																		
		MF4/S	75	400	–			•	•	•	•	•						•	•							
		MF5/S▲	75	500	–							•														
		MF6/S▲	75	600	–								•	•	•	•				•	•	•	•			
		MF8/S▲	75	800	–																			•	•	•
Mounting Pan		NIMP0302	250	150	–	•																				
		NIMP0303	250	250	–		•																			
		NIMP0403	350	250	–			•																		
		NIMP0304	250	350	–			•	•																	
		NIMP0404	350	350	–					•									•							
		NIMP0504	450	350	–						•															
		NIMP0604	550	350	–							•							•							
		NIMP0505	450	450	–								•													
		NIMP0406	350	550	–								•							•						
		NIMP0606	550	550	–									•							•					
		NIMP0806	750	550	–											•						•				
		NIMP1006	950	550	–												•						•			
		NIMP0808	750	750	–																			•		
		NIMP1008	950	750	–																				•	
	NIMP1208	1150	750	–																				•		
Gland plates	6mm aluminium	SRAGP6/2	290	160	–				•	•	•	•	•					•	•							
		SRAGP6/3	480	160	–									•	•	•	•		•	•	•	•	•	•	•	
	3mm brass	SRBGP3/2	290	160	–				•	•	•	•	•						•	•						
		SRBGP3/3	480	160	–									•	•	•	•		•	•	•	•	•	•	•	
	6mm brass	SRBGP6/2	290	160	–				•	•	•	•	•						•	•						
SRBGP6/3		480	160	–									•	•	•	•		•	•	•	•	•	•	•		
Replacement Hinge	Kit	NI/H	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Touch Up Paint (300g)	Pebble Grey RAL7032	TUP/P20	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	X15 Orange	TUP/P24	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

^ Fits door only

▲ Available on request

TECHNICAL DRAWINGS



Universal NI Viewing Window– Zinc Coated Steel

General Purpose Enclosures



- Built for industrial and demanding environments.
- Threaded sockets on the rear of the enclosure to allow mounting feet attachment without compromising the IP rating.
- 120° door opening for ease of access to internal systems.
- Conformity, Approvals:
 - CE Mark
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions - Wind actions
- Manufactured from 1.6mm zinc coated steel.
- Powdercoated Pebble Grey RAL7032 or X15 Orange.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Gland plate (200mm deep and above)
- Chromed steel lock with 7mm square steel insert (NI020)
- Door rails
- Earth strap kit
- Laminated glass viewing window - 5.4mm thickness



ORDERING GUIDE

Part Number		Dimensions (mm)							
		External			Internal	Mounting Pan		Viewing Window	
		Height (A)	Width (B)	Depth (C)	Usable Depth (D)*	Height (E)	Width (F)	Height (G)	Width (H)
Standard	X15 Orange								
NI04042/WG◇^	NI04042/RO/WG◇^	400	400	200	175	350	350	185	185
NI05042/WG◇^	NI05042/RO/WG◇^	500	400	200	175	450	350	278	185
NI06042/WG◇^	NI06042/RO/WG◇^	600	400	200	175	550	350	378	185
NI05052/WG◇^	NI05052/RO/WG◇^	500	500	200	175	450	450	278	273
NI04062/WG◇^	NI04062/RO/WG◇^	400	600	200	175	350	550	185	373
NI06062/WG◇^	NI06062/RO/WG◇^	600	600	200	175	550	550	378	373
NI08062/WG◇^	NI08062/RO/WG◇^	800	600	200	175	750	550	578	373
NI10062/WG◇^	NI10062/RO/WG◇^	1000	600	200	175	950	550	778	373
NI04043/WG◇^	NI04043/RO/WG◇^	400	400	300	275	350	350	185	185
NI06043/WG◇^	NI06043/RO/WG◇^	600	400	300	275	550	350	378	185
NI04063/WG◇^	NI04063/RO/WG◇^	400	600	300	275	350	550	185	373
NI06063/WG◇^	NI06063/RO/WG◇^	600	600	300	275	550	550	378	373
NI08063/WG◇^	NI08063/RO/WG◇^	800	600	300	275	750	550	578	373
NI10063/WG◇^	NI10063/RO/WG◇^	1000	600	300	275	950	550	778	373
NI08083/WG^	NI08083/RO/WG^	800	800	300	275	750	750	578	573
NI10083/WG^	NI10083/RO/WG^	1000	800	300	275	950	750	778	573
NI12083/WG^	NI12083/RO/WG^	1200	800	300	275	1150	750	978	573

* Mounting pan to inside of door

◇ Includes vertical door rails

^ Includes horizontal and vertical door rails

▲ Available on request

Window corner radius is 100mm on all sizes of enclosures.

ACCESSORIES

Product	Description	Part Number	Dimensions (mm)			NI03021/WG (RO)	NI03031/WG (RO)	NI03041/WG (RO)	NI04032/WG (RO)	NI03042/WG (RO)	NI04042/WG (RO)	NI05042/WG (RO)	NI06042/WG (RO)	NI05052/WG (RO)	NI04062/WG (RO)	NI06062/WG (RO)	NI08062/WG (RO)	NI10062/WG (RO)	NI04043/WG (RO)	NI06043/WG (RO)	NI04063/WG (RO)	NI06063/WG (RO)	NI08063/WG (RO)	NI10063/WG (RO)	NI08083/WG (RO)	NI10083/WG (RO)	NI12083/WG (RO)
			Height	Width	Depth																						
Rainhoods	Zinc coated steel	NIRH021	30	175.6	65	•																					
		NIRH031 [▲]	30	275.6	65		•																				
		NIRH032 [▲]	30	275.6	105				•																		
		NIRH041 [▲]	30	375.6	65			•																			
		NIRH042	30	375.6	105					•	•	•	•														
		NIRH043	30	375.6	220														•	•							
		NIRH052 [▲]	30	475.6	105									•													
		NIRH062 [▲]	30	575.6	105										•	•	•	•									
		NIRH063	30	575.6	220																•	•	•	•			
		NIRH082 [▲]	30	775.6	105																						
		NIRH083 [▲]	30	775.6	220																				•	•	•
External vent kits – Zinc coated steel	Pebble Grey RAL7032	IPVK	130	130	–	▲	▲	▲	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		IPVK16	260	260	–		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	•	•	•	•	•	•	•	•	•
	X15 Orange	IPVK/RO	130	130	–	▲	▲	▲	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		IPVK16/RO [▲]	260	260	–		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	•	•	•	•	•	•	•	•	•
Wall mounting bracket s – Set of 4 316 stainless steel		MEB/S	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mounting flange kit – 316 stainless steel		MF2/S [▲]	75	200	–	•																					
		MF3/S	75	300	–		•	•																			
		MF4/S	75	400	–			•	•	•	•	•						•	•								
		MF5/S [▲]	75	500	–									•													
		MF6/S [▲]	75	600	–										•	•	•	•			•	•	•	•			
		MF8/S [▲]	75	800	–																				•	•	•
Mounting Pan		NIMP0302	250	150	–	•																					
		NIMP0303	250	250	–		•																				
		NIMP0403	350	250	–				•																		
		NIMP0304	250	350	–			•	•																		
		NIMP0404	350	350	–					•									•								
		NIMP0504	450	350	–						•																
		NIMP0604	550	350	–							•								•							
		NIMP0505	450	450	–								•														
		NIMP0406	350	550	–									•							•						
		NIMP0606	550	550	–										•							•					
		NIMP0806	750	550	–											•							•				
		NIMP1006	950	550	–												•							•			
		NIMP0808	750	750	–																				•		
		NIMP1008	950	750	–																					•	
		NIMP1208	1150	750	–																						•
Gland plates	6mm aluminium	SRAGP6/2	290	160	–				•	•	•	•	•						•	•							
		SRAGP6/3	480	160	–									•	•	•	•	•			•	•	•	•	•	•	•
	3mm brass	SRBGP3/2	290	160	–				•	•	•	•	•						•	•							
		SRBGP3/3	480	160	–									•	•	•	•	•			•	•	•	•	•	•	•
	6mm brass	SRBGP6/2	290	160	–				•	•	•	•	•						•	•							
		SRBGP6/3	480	160	–									•	•	•	•	•			•	•	•	•	•	•	•
Replacement Hinge	Kit	NI/H	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Touch Up Paint (300g)	Pebble Grey RAL7032	TUP/P20	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	X15 Orange	TUP/P24	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

[▲] Fits door only

[▲] Available on request

Universal NI – 316 Stainless Steel

General Purpose Enclosures



- Built for industrial and demanding environments.
- Threaded sockets on the rear of the enclosure to allow mounting feet attached without compromising the IP rating.
- 120° door opening for ease of access to internal systems.
- Conformity, Approvals:
 - CE Mark
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions - Wind actions
- Manufactured from 1.2/1.5mm 316 stainless steel.
- N4 surface finish or Powdercoated X15 Orange.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Stainless steel lock with 7mm square stainless steel insert (NI020/S)
- Door rails
- Earth strap kit



ORDERING GUIDE

Part Number		Dimensions (mm)						No. of Fixing Points (Suits M8 fixings)	Material Thickness (mm)	Weight (kg)	No. of Locks
		External		Internal		Mounting Pan					
		Height (A)	Width (B)	Depth (C)	Usable Depth (D)*	Height (E)	Width (F)				
316 SS (N4)	X15 Orange										
NI03021/S	NI03021/SRO	300	200	150	125	250	150	4	1.2	3.9	1
NI03031/S	NI03031/SRO	300	300	150	125	250	250	4	1.2	5.3	1
NI03041/S	NI03041/SRO^	300	400	150	125	250	350	4	1.2	6.8	1
NI04031/S	NI04031/SRO^	400	300	150	125	350	250	4	1.2	6.7	1
NI04032/S◇	NI04032/SRO◇	400	300	200	175	350	250	4	1.2	9.0	1
NI03042/S	NI03042/SRO^	300	400	200	175	250	350	4	1.5	9.0	1
NI04042/S◇	NI04042/SRO◇	400	400	200	175	350	350	4	1.5	11.0	1
NI05042/S◇	NI05042/SRO◇^	500	400	200	175	450	350	4	1.5	14.0	1
NI06042/S◇	NI06042/SRO◇	600	400	200	175	550	350	4	1.5	16.0	2
NI05052/S◇	NI05052/SRO◇	500	500	200	175	450	450	4	1.5	16.0	1
NI04062/S◇	NI04062/SRO◇^	400	600	200	175	350	550	4	1.5	16.0	1
NI06062/S◇	NI06062/SRO◇	600	600	200	175	550	550	4	1.5	22.0	2
NI08062/S◇	NI08062/SRO◇^	800	600	200	175	750	550	6	1.5	29.0	2
NI10062/S◇	NI10062/SRO◇^	1000	600	200	175	950	550	6	1.5	28.0	2
NI10082/S◇	NI10082/SRO◇^	1000	800	200	175	950	750	4	1.5	45.0	2
NI04043/S◇	NI04043/SRO◇^	400	400	300	275	350	350	4	1.5	19.0	1
NI06043/S◇	NI06043/SRO◇^	600	400	300	275	550	350	4	1.5	19.0	2
NI04063/S◇	NI04063/SRO◇^	400	600	300	275	350	550	4	1.5	19.0	1
NI06063/S◇	NI06063/SRO◇	600	600	300	275	550	550	4	1.5	25.0	2
NI08063/S◇	NI08063/SRO◇^	800	600	300	275	750	550	6	1.5	32.0	2
NI10063/S◇	NI10063/SRO◇^	1000	600	300	275	950	550	6	1.5	39.0	2
NI08083/S^	NI08083/SRO^^	800	800	300	275	750	750	6	1.5	41.0	2
NI10083/S^	NI10083/SRO^^	1000	800	300	275	950	750	6	1.5	49.0	2
NI12083/S^	NI12083/SRO^^	1200	800	300	275	1150	750	8	1.5	58.0	2

* Mounting pan to inside of door

◇ Includes vertical door rails

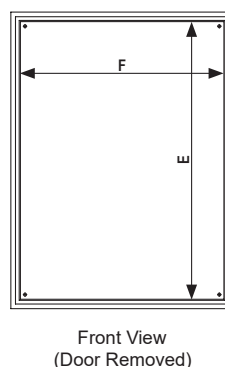
^ Includes horizontal and vertical door rails

▲ Available on request



Gland plates and cutouts are not supplied as standard on NI stainless steel enclosures. Please contact your local sales representative to discuss your requirements

TECHNICAL DRAWINGS



Universal NI Viewing Window – 316 Stainless Steel

General Purpose Enclosures



- Built for industrial and demanding environments.
- Threaded sockets on the rear of the enclosure to allow mounting feet attached without compromising the IP rating.
- 120° door opening for ease of access to internal systems.
- Conformity, Approvals:
 - CE Mark
 - Lloyds Register #06/10007 (E2)
- Region D wind rated to AS1170.2-2002: Structural design actions
 - Wind actions
- Manufactured from 1.5mm 316 stainless steel.
- N4 surface finish or powdercoated X15 orange.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Stainless steel lock with 7mm square stainless steel insert (NI020/S)
- Door rails
- Earth strap kit
- Laminated glass viewing window - 5.4mm thickness



ORDERING GUIDE

Dimensions (mm)

Part Number		External			Internal	Mounting Pan		Viewing Window	
Standard	X15 Orange	Height (A)	Width (B)	Depth (C)	Usable Depth (D)*	Height (E)	Width (F)	Height	Width
NI04042/S/WG◊^	NI04042/SRO/WG◊^	400	400	200	175	350	350	185	185
NI05042/S/WG◊^	NI05042/SRO/WG◊^	500	400	200	175	450	350	278	185
NI06042/S/WG◊^	NI06042/SRO/WG◊^	600	400	200	175	550	350	378	185
NI05052/S/WG◊^	NI05052/SRO/WG◊^	500	500	200	175	450	450	278	273
NI04062/S/WG◊^	NI04062/SRO/WG◊^	400	600	200	175	350	550	185	373
NI06062/S/WG◊^	NI06062/SRO/WG◊^	600	600	200	175	550	550	378	373
NI08062/S/WG◊^	NI08062/SRO/WG◊^	800	600	200	175	750	550	578	373
NI10062/S/WG◊^	NI10062/SRO/WG◊^	1000	600	200	175	950	550	778	373
NI10082/S/WG◊^	NI10082/SRO/WG◊^	1000	800	200	175	950	750	778	573
NI04043/S/WG◊^	NI04043/SRO/WG◊^	400	400	300	275	350	350	185	185
NI06043/S/WG◊^	NI06043/SRO/WG◊^	600	400	300	275	550	350	378	185
NI04063/S/WG◊^	NI04063/SRO/WG◊^	400	600	300	275	350	550	185	373
NI06063/S/WG◊^	NI06063/SRO/WG◊^	600	600	300	275	550	550	378	373
NI08063/S/WG◊^	NI08063/SRO/WG◊^	800	600	300	275	750	550	578	373
NI10063/S/WG◊^	NI10063/SRO/WG◊^	1000	600	300	275	950	550	778	373
NI08083/S/WG^	NI08083/SRO/WG^	800	800	300	275	750	750	578	573
NI10083/S/WG^	NI10083/SRO/WG^	1000	800	300	275	950	750	778	573
NI12083/S/WG^	NI12083/SRO/WG^	1200	800	300	275	1150	750	978	573

* Mounting pan to inside of door

◊ Includes vertical door rails

^ Includes horizontal and vertical door rails

▲ Available on request



Gland plates and cutouts are not supplied as standard on NI stainless steel enclosures. Please contact your local sales representative to discuss your requirements

Window corner radius is 100mm on all sizes of enclosures.

ACCESSORIES

			Dimensions (mm)																							
Product	Description	Part Number	Height	Width	Depth	NI03021/SWG (SRO)	NI03031/SWG (SRO)	NI03041/SWG (SRO)	NI04031/SWG (SRO)	NI04032/SWG (SRO)	NI03042/SWG (SRO)	NI04042/SWG (SRO)	NI05042/SWG (SRO)	NI05052/SWG (SRO)	NI04062/SWG (SRO)	NI06062/SWG (SRO)	NI10062/SWG (SRO)	NI10082/SWG (SRO)	NI04043/SWG (SRO)	NI06043/SWG (SRO)	NI04063/SWG (SRO)	NI06063/SWG (SRO)	NI10063/SWG (SRO)	NI08063/SWG (SRO)	NI10083/SWG (SRO)	NI12083/SWG (SRO)
Rainhoods	316 stainless steel	NIRH021/S (SRO)▲	30	175.6	65	•																				
		NIRH031/S (SRO)▲	30	275.6	65		•	•																		
		NIRH032/S (SRO)▲	30	275.6	105				•																	
		NIRH041/S▲ (SRO)▲	30	375.6	65			•																		
		NIRH042/S (SRO)▲	30	375.6	105						•	•	•	•												
		NIRH043/S (SRO)▲	30	375.6	220															•	•					
		NIRH052/S (SRO)▲	30	475.6	105										•											
		NIRH062/S (SRO)▲	30	575.6	105											•	•	•	•							
		NIRH063/S (SRO)▲	30	575.6	220																	•	•	•	•	
		NIRH082/S▲ (SRO)▲	30	775.6	105															•						
NIRH083/S (SRO)▲	30	775.6	220																					•	•	•
External vent kits	316 stainless steel	IPVK/S	130	130	–	▲	▲	▲	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		IPVK/SRO▲	130	130	–	▲	▲	▲	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		IPVK16/S▲	260	260	–	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	•	•	•	•	•	•	•
		IPVK16/SRO▲	260	260	–	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	•	•	•	•	•	•	•
Wall mounting brackets – Set of 4 316 stainless steel		MEB/S	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Mounting flange kits	316 stainless steel	MF2/S▲	75	200	–	•																				
		MF3/S	75	300	–		•		•	•																
		MF4/S	75	400	–			•			•	•	•	•						•	•					
		MF5/S▲	75	500	–									•												
		MF6/S▲	75	600	–										•	•	•	•			•	•	•	•		
		MF8/S▲	75	800	–														•						•	•
Mounting Pan		NIMP0302	250	150	–	•																				
		NIMP0303	250	250	–		•																			
		NIMP0403	350	250	–				•	•																
		NIMP0304	250	350	–			•			•															
		NIMP0404	350	350	–							•								•						
		NIMP0504	450	350	–								•													
		NIMP0604	550	350	–									•							•					
		NIMP0505	450	450	–										•											
		NIMP0406	350	550	–											•					•					
		NIMP0606	550	550	–												•					•				
		NIMP0806	750	550	–													•					•			
		NIMP1006	950	550	–														•					•		
		NIMP0808	750	750	–																			•		
		NIMP1008	950	750	–															•					•	
NIMP1208	1150	750	–																					•		
Replacement Hinge	Kit	NI/H	–	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

▲ Fits door only

▲ Available on request

Universal DD – Zinc Coated Steel

Double Door Enclosures



- Suitable for industrial or demanding conditions.
- No centre mullion — extremely easy to access all equipment mounted on the included mounting pan.
- 180° opening doors.
- Conformity, Approvals:
Lloyds Register #06/10007 (E2)
- Manufactured from 1.6mm zinc coated steel.
- Powdercoated Pebble Grey RAL7032.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Gland plates fitted internally or externally – dual on 1200mm wide units
- Door rails
- Chromed steel lock with 7mm square steel insert (DD020) on units below 1600mm high
- Lockable L handle keyed to 92268 (DD050) on units 1600mm high and above
- Earth strap kit

! For external use, it is recommended to include a rain hood



ORDERING GUIDE

Part Number	Dimensions (mm)								No. of Gland Plates	Weight (kg)
	External			Internal	Mounting Pan		Opening			
	Height (A)	Width (B)	Depth (C)	Usable Depth* (D)	Height (E)	Width (F)	Height (G)	Width (H)		
DD10103▲	1000	1000	300	250	940	915	940	920	1	67.0
DD12103	1200	1000	300	250	1140	915	1140	920	1	78.0
DD16104▲	1600	1000	400	350	1540	915	1540	920	1	108.0
DD18104	1800	1000	400	350	1740	915	1740	920	1	119.0
DD20104▲	2000	1000	400	350	1940	915	1940	920	1	131.0
DD12124	1200	1200	400	350	1140	1115	1140	1120	2	98.0
DD16124	1600	1200	400	350	1540	1115	1540	1120	2	125.0
DD18124	1800	1200	400	350	1740	1115	1740	1120	2	138.0
DD20124	2000	1200	400	350	1940	1115	1940	1120	2	152.0
DD18125▲	1800	1200	500	450	1740	1115	1740	1120	2	147.0
DD20125	2000	1200	500	450	1940	1115	1940	1120	2	161.0

* Mounting pan to inside of door

[▲] Available on request



See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.



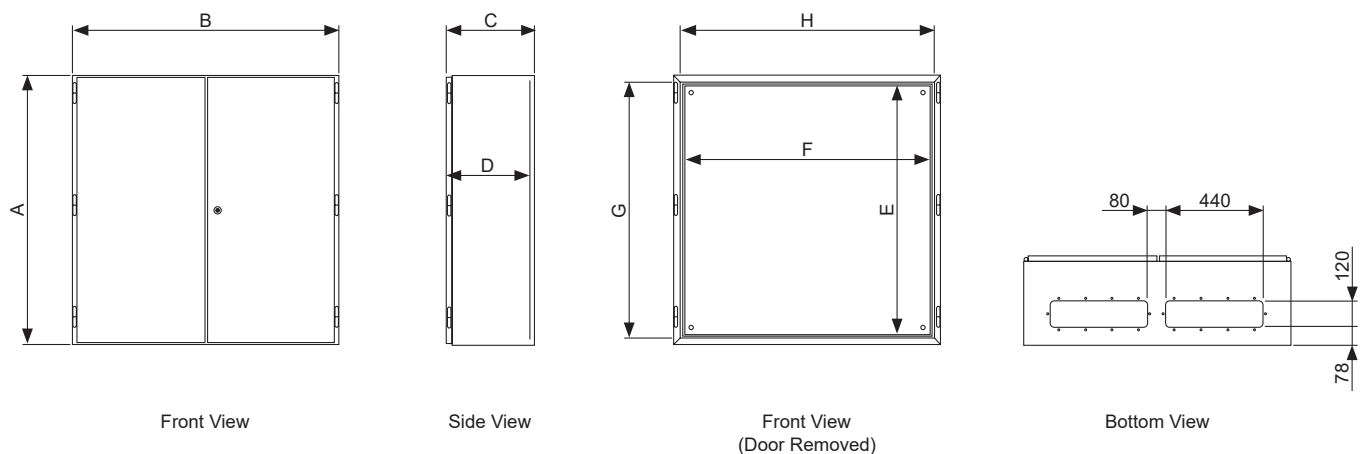
See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.

ACCESSORIES

Product	Description	Part Number	Dimensions (mm)			DD10103	DD12103	DD16104	DD18104	DD20104	DD12124	DD16124	DD18124	DD20124	DD18125	DD20125
			Height	Width	Depth											
Rainhoods	Zinc coated steel	DDRH103 [▲]	30	–	–	•	•									
		DDRH104 [▲]	30	–	–			•	•	•						
		DDRH124 [▲]	30	–	–						•	•	•	•		
		DDRH125 [▲]	30	–	–										•	•
Channel iron plinths	Galvanised steel	DDCIP103 [▲]	75	1000	255	•	•									
		DDCIP104 [▲]	75	1000	355			•	•	•						
		DDCIP124	75	1200	355						•	•	•	•		
		DDCIP125 [▲]	75	1200	455										•	•
Plinth mounting bases	Galvanised steel	DDPB011003 [▲]	100	1000	255	•	•									
		DDPB011004	100	1000	355			•	•	•						
		DDPB011204 [▲]	100	1200	355						•	•	•	•		
		DDPB011205 [▲]	100	1200	455										•	•
Neoprene gasket	3mm x 20mm, 4m long	IPPC/G	–	–	–	•	•	•	•	•	•	•	•	•	•	•
External vent kit (Pebble Grey RAL7032)	Zinc coated steel	IPVK	130	130	–	•	•	•	•	•	•	•	•	•	•	•
		IPVK16	260	260	–	•	•	•	•	•	•	•	•	•	•	•
Eye bolt	125kg per bolt (2)	LEB/12	–	–	–	•	•	•	•	•	•	•	•	•	•	•
LED light kit (500mm wide) – includes power supply & switch	12V	BRLED500	–	500	–	•	•	•	•	•	•	•	•	•	•	•
	24V	BRLED500/24	–	500	–	•	•	•	•	•	•	•	•	•	•	•
Light kit bracket	To suit LED light kit	DDLKB10 [▲]	–	1000	–	•	•	•	•	•						
		DDLKB12 [▲]	–	1200	–						•	•	•	•	•	•
Fluoro light kit (240V)	1000mm wide	DDLTK10 [▲]	–	–	–	•	•	•	•	•						
	1200mm wide	DDLTK12 [▲]	–	–	–						•	•	•	•	•	•
Touch up paint (300g)	Pebble Grey RAL7032	TUP/P20	–	–	–	•	•	•	•	•	•	•	•	•	•	•

▲ Available on request

TECHNICAL DRAWING



Universal DD – 316 Stainless Steel

Double Door Enclosures



- Suitable for industrial or demanding conditions.
- No centre mullion — extremely easy to access all equipment mounted on the included mounting pan.
- 180° opening doors.
- Conformity, Approvals:
Lloyds Register #06/10007 (E2)
- Manufactured from 1.5mm 316 stainless steel.
- N4 surface finish.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Gland plates fitted internally or externally – dual on 1200mm wide units
- Door rails
- Stainless steel lock with 7mm square stainless steel insert (DD020/S) on units below 1600mm high
- Lockable L handle keyed to 92268 (DD050) on units 1600mm high and above
- Earth strap kit

! For external use, it is recommended to include a rain hood



ORDERING GUIDE

Part Number	Dimensions (mm)								No. of Gland Plates	Weight (kg)
	External			Internal	Mounting Pan		Opening			
	Height (A)	Width (B)	Depth (C)	Usable Depth*	Height (E)	Width (F)	Height (G)	Width (H)		
DD10103/S^	1000	1000	300	250	940	915	940	920	1	64.0
DD12103/S^	1200	1000	300	250	1140	915	1140	920	1	74.0
DD16104/S^	1600	1000	400	350	1540	915	1540	920	1	103.0
DD18104/S^	1800	1000	400	350	1740	915	1740	920	1	114.0
DD20104/S^	2000	1000	400	350	1940	915	1940	920	1	125.0
DD12124/S^	1200	1200	400	350	1140	1115	1140	1120	2	93.0
DD16124/S	1600	1200	400	350	1540	1115	1540	1120	2	119.0
DD18124/S	1800	1200	400	350	1740	1115	1740	1120	2	132.0
DD20124/S^	2000	1200	400	350	1940	1115	1940	1120	2	145.0
DD18125/S	1800	1200	500	450	1740	1115	1740	1120	2	140.0
DD20125/S^	2000	1200	500	450	1940	1115	1940	1120	2	154.0

* Mounting pan to inside of door

▲ Available on request



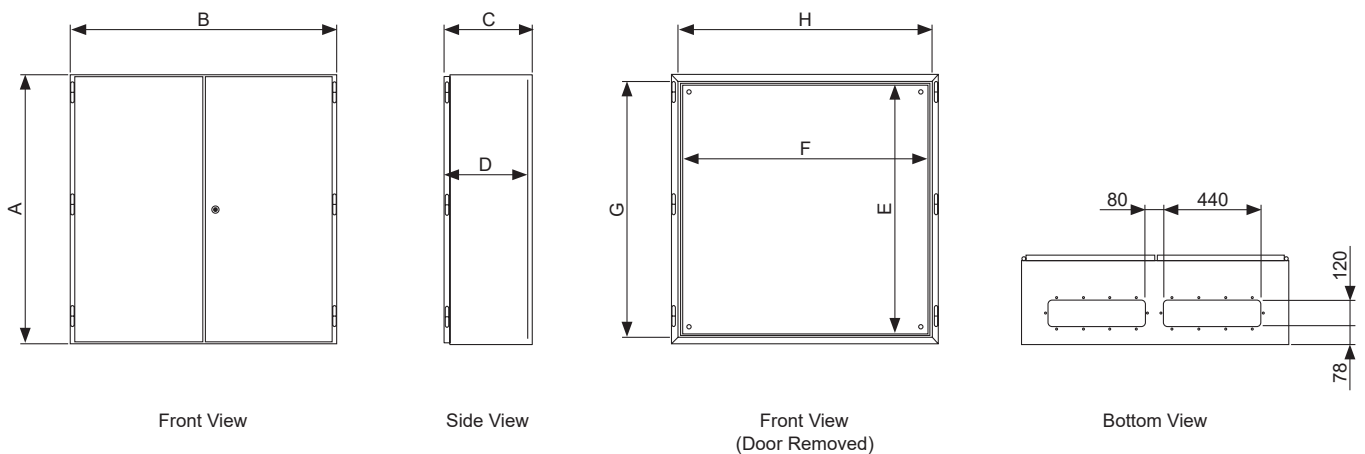
See **Pages 50-51** for more information about B&R's range of lighting solutions or contact your local sales representative to discuss your requirements.

ACCESSORIES

Product	Description	Part Number	Dimensions (mm)			DD10103/S	DD12103/S	DD16104/S	DD18104/S	DD20104/S	DD12124/S	DD16124/S	DD18124/S	DD20124/S	DD18125/S	DD20125/S
			Height	Width	Depth											
Rainhoods	316 stainless steel	DDRH103/S [▲]	30	–	–	•	•									
		DDRH104/S [▲]	30	–	–			•	•	•						
		DDRH124/S [▲]	30	–	–						•	•	•	•		
		DDRH125/S [▲]	30	–	–										•	•
Channel iron plinths	Galvanised steel	DDCIP103 [▲]	75	1000	255	•	•									
		DDCIP104 [▲]	75	1000	355			•	•	•						
		DDCIP124	75	1200	355						•	•	•	•		
		DDCIP125 [▲]	75	1200	455										•	•
Plinth mounting bases	Galvanised steel	DDPB011003 [▲]	100	1000	255	•	•									
		DDPB011004	100	1000	355			•	•	•						
		DDPB011204 [▲]	100	1200	355						•	•	•	•		
		DDPB011205 [▲]	100	1200	455										•	•
Neoprene gasket	3mmx20mm, 4m long	IPPC/G	–	–	–	•	•	•	•	•	•	•	•	•	•	•
External vent kit	316 stainless steel	IPVK/S	130	130	–	•	•	•	•	•	•	•	•	•	•	•
		IPVK16/S [▲]	260	260	–	•	•	•	•	•	•	•	•	•	•	•
Eye bolt	125kg per bolt (2)	LEB/12	–	–	–	•	•	•	•	•	•	•	•	•	•	•
LED light kit (500mm wide) – includes power supply & switch	12V	BRLED500	–	500	–	•	•	•	•	•	•	•	•	•	•	•
	24V	BRLED500/24	–	500	–	•	•	•	•	•	•	•	•	•	•	•
Light kit bracket	To suit LED light kit	DDLKB10 [▲]	–	1000	–	•	•	•	•	•						
		DDLKB12 [▲]	–	1200	–						•	•	•	•	•	•
Fluoro light kit (240V)	1000mm wide	DDLTK10 [▲]	–	–	–	•	•	•	•	•						
	1200mm wide	DDLTK12 [▲]	–	–	–						•	•	•	•	•	•

▲ Available on request

TECHNICAL DRAWING



Miner ME

1000 Volt Mining and Industrial Enclosures



- Suitable for 1000 volt applications.
- 100 micron UV resistant modified polyester paint finish.
- Suitable for temperatures -10°C to +60°C.
- Specially designed flat faced gutter.
- External pintle hinges for easy door removal.
- Conformity, Approvals:
Lloyds Register #06/10007 (E2)
- Manufactured from 2mm zinc coated steel.
- Powdercoated French Blue or X15 Orange.

Comes standard with:

- Steel mounting pan powdercoated white
- Chromed steel lock with 7mm square steel insert (NI020)
- Earth strap kit



ORDERING GUIDE

Part Number		Dimensions (mm)								No. of Locks	Weight (kg)
		External		Internal	Mounting Pan		Opening				
French Blue	X15 Orange	Height (A)	Width (B)	Depth (C)	Usable Depth* (D)	Height (E)	Width (F)	Height (G)	Width (H)		
ME06043	ME06043/RO^	600	400	310	278	530	300	540	320	1	22.0
ME06063	ME06063/RO	600	600	310	278	530	500	540	520	1	30.0
ME08063	ME08063/RO	800	600	310	278	730	500	740	520	2	38.0
ME08083	ME08083/RO	800	800	310	278	730	700	740	720	2	49.0
ME10083	ME10083/RO^	1000	800	310	278	930	700	940	720	2	59.0
ME12083^	ME12083/RO^	1200	800	310	278	1130	700	1140	720	2	69.0
ME10103	ME10103/RO	1000	1000	310	278	930	900	940	920	2	71.0

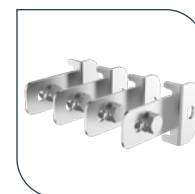
* Mounting pan to inside of door

▲ Available on request

Mounting Brackets

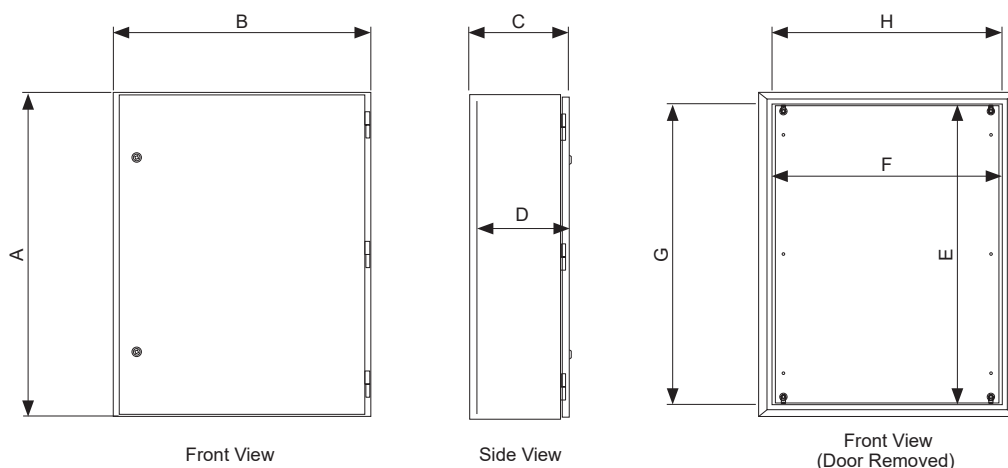
For ease of installation and fixing to the mounting surface. Mounting brackets ensure optimum installation and safety.

Part Number	Material	Qty	Static Load Rating	To suit enclosure width (mm)
MEB/S	Stainless steel	4	120kg per set of 4 (30kgs per bracket)	all
IPWM	Zinc coated steel	4	300kg per set of 4 (75 kg per bracket)	all
IPWM/S	Stainless steel	4	300kg per set of 4 (75 kg per bracket)	all



MEB/S

TECHNICAL DRAWINGS





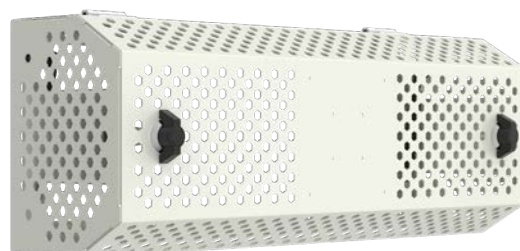
- Prevents contact with live parts, reducing the risk of electric shock.
- Segregates high voltage energised components for safer maintenance.
- Provides additional protection of energised components from physical impact.
- Compliant with industrial and mining standards
- Compatible with mounting pans on any B&R mining solutions enclosure, including Monarch IP, Universal NI, Incline SR, Finucane FI, Lambert LB, Bowen Series and Hedland PH.
- Manufactured from 1.6mm zinc coated steel
- Powder coated Pearl Gloss White
- Standard Inclusions: lockable wing knob and gas strut



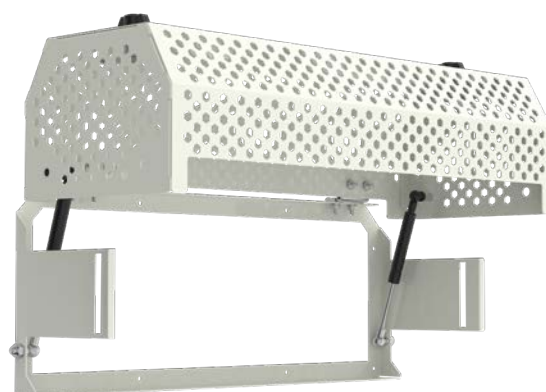
Power cases are compatible with mounting pans on Monarch IP, Universal NI, Incline SR, Finucane FI, Lambert LB, Bowen Series and Hedland PH. Contact your local sales representative to discuss your requirements.

ORDERING GUIDE

Part Number		Dimensions (mm)		
		Height	Width	Depth
LPC221	Pearl Gloss White	233	215	167
LPC231	Pearl Gloss White	233	315	167
LPC261	Pearl Gloss White	233	615	167



LPC231



LPC261

Locks

Locks to suit special purpose enclosures

Standard Locks

These locks are included as standard for each of these enclosures. For a different locking option on one of these enclosures, contact your local sales representative to discuss your requirements.

Enclosure	Zinc Coated Steel	Stainless Steel
Universal NI	NI020 – chromed steel with 7mm square steel insert	NI020/S – stainless steel lock with 7mm square stainless steel insert
Universal DD ≤ 1600mm H	DD020 - chromed steel with 7mm square steel insert	DD020/PS - black powdercoated lock with 7mm square stainless steel insert
Universal DD > 1600mm H	DD050 - lockable L handle keyed 92268	DD050 - lockable L handle keyed 92268
Miner ME	NI020 - chromed steel with 7mm square steel insert	–

Lock Options for Special Purpose Enclosures

There are a number of lock options available that are suitable for use on special purpose enclosures. Contact your local sales representative to discuss your requirements.

Product	Description	Part Number	Standard Lock/Insert	Alternative insert	Keys	
					Lockable handles	Zinc, 4-way
Turnbuckle	chromed steel	NI020	7mm square – steel	See pg 49		SKZ
		DD020	7mm square – steel			SKZ
	powdercoated with SS insert	NI020/PS	7mm square – stainless steel			SKZ
		DD020/PS	7mm square – stainless steel			SKZ
	stainless steel	NI020/S	7mm square – stainless steel			SKZ
		NI028S/S	8mm square slotted – stainless steel	–		SKZ
Wing knob	lockable	NI030	Key code 92268	–	SK3	
		NI030/CL001	Key code CL001	–		
		NI030/L003	Key code L003	–		
	padlockable	NI032	Suit 8mm hasp	–		
	padlockable - stainless steel	NI032/S	Suit 8mm hasp	–		
	lockable	DD030	Key code 92268	–	SK3	
	non-lockable	NI111	–	–		
		DD111	–	–		
T-handle	lockable	NI040	Key code 92268	–	SK3	
		DD040	Key code 92268	–	SK3	
L-handle	lockable	NI050	Key code 92268	–	SK3	
		DD050	Key code 92268	–	SK3	
	padlockable – steel	NI052	–	–		
		DD052	–	–		
	padlockable – stainless steel	NI052/S	–	–		
		DD052/S	–	–		
Swing handle	padlockable – steel	SP/LCK	–	–		
	padlockable – stainless steel	SP/LCK/S	–	–		
LockSock®	plastic	SP/LCK/DC	To suit SP/LCK	–		
Dust cap	plastic	NI020/DC	To suit NI020 lock	–		

Locks

Locks to suit special purpose enclosures



Lock Inserts for Locks

The NI020 locks are available with an option lock insert for use on all special purpose enclosures. Contact your local sales engineer to discuss your requirements.

To suit lock style	Description	To suit lock	Standard Insert	3mm double bit pin		8mm square		8mm square slotted	8mm triangle	
				Steel	Stainless Steel	Steel	Stainless Steel	Stainless Steel	Steel	Stainless Steel
Turnbuckle	chromed steel	NI020 or DD020	7mm square – steel	LKINS3P		LKINS8S		LKINS8SS/S	LKINS8T	
	powdercoated with SS insert	NI020/PS or DD020/PS	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S		LKINS8T/S
	stainless steel	NI020/S or DD020/PS	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S		LKINS8T/S
Key required – zinc			SKZ	SKZ	SKZ	SKZ	SKZ	SKZ	SKZ	SKZ

Enclosure LED Lighting

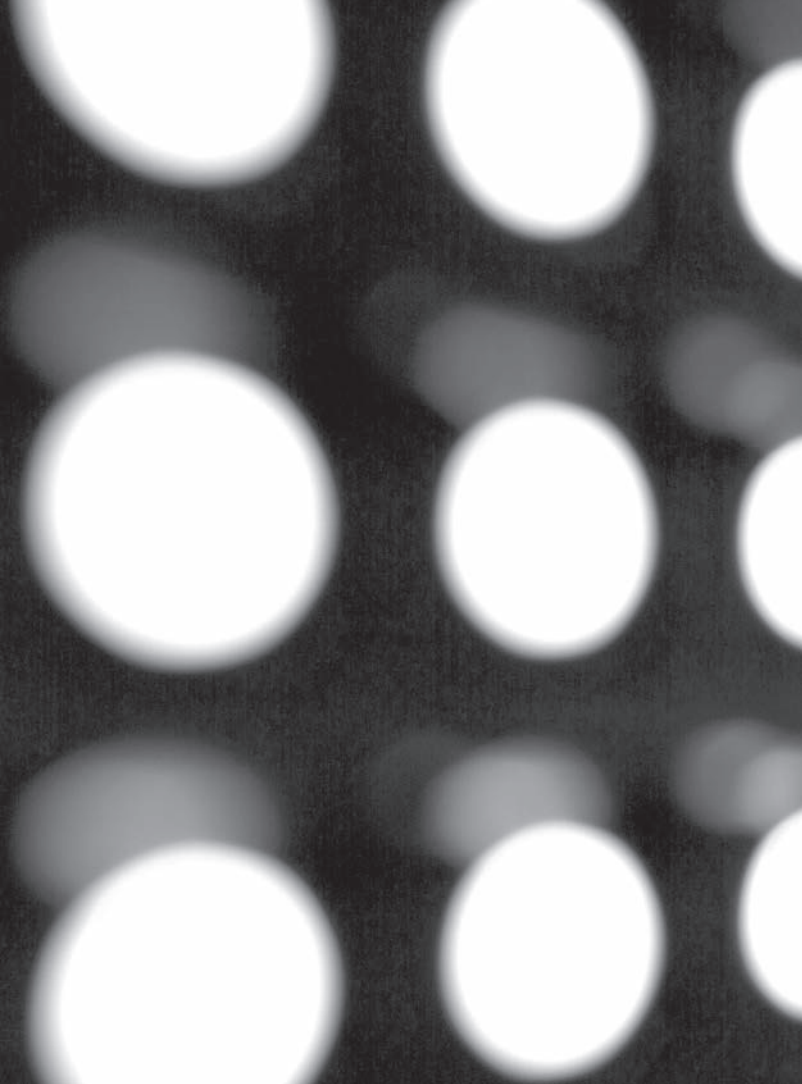
Our LED lighting solutions provide light inside an enclosure when visibility is required for both safety and efficacy.



High output, small form factor LED lighting. Up to 4 units can be daisy chained from the one power supply. Allows for the opening of full height swing frames or hinged escutcheons when fitted to the roof. The optional PIR movement sensor can be used for power efficiency as an automatic door switch. All light kits can be mounted directly onto 19" rack rails. In the absence of 19" rack rails a mounting kit is available to suit the enclosure size.

B&R's LED lighting solutions are applied to provide excess light within an enclosure and becomes a continuous light source to provide extra visibility.

- Energy saving up to 50% compared with traditional fluorescents under the same lux.
- Life span – over 50,000 hours
- Colour temperature: warm white.
- Available in 12V and 24V options.
- Easy linking up to 36 watts per run.
- Easy to install.
- Low voltage — safe and efficient.
- Manufactured from aluminium with black plastic end caps and acrylic lens.
- Light source – SM3528 LED
- Operating temperature – -20°C to 40°C indoors



 This information is provided as a guide only. Contact your local sales representative to discuss your requirements.

Technical Operating Data

Length (mm)	Voltage (DC)	Power (W)	Radiance	Colour Temp	Luminous Flux (lm)*	LED Current (A)
300	12/24	3	90°	4400	280/360	0.18
500	12/24	5	90°	4400	460/600	0.18



Monarch IP

Part Number	Power (V)	Inclusions				Required Mounting Bracket			To suit enclosure	
		LED Light	Power Supply	Splitter	Switch	Connectors	IPLKB04	IPLKB06	IPLKB08	Width (mm)
BRLED300	12	•	•		•		•			400
BRLED300/24	24	•	•		•		•			400
BRLED500	12	•	•		•			•	•	600, 700 or 800
BRLED500/24	24	•	•		•			•	•	600, 700 or 800
BRLEDK03	—	•		•		•	•			400
BRLEDK05	—	•		•		•		•	•	600, 700 or 800

BRMOT
PIR Motion Sensor

Universal Double Door

Part Number	Power (V)	Inclusions				Required Mounting Bracket		To suit enclosure	
		LED Light	Power Supply	Splitter	Switch	Connectors	DDLKB10	DDLKB12	Width (mm)
BRLED500	12	•	•		•		•		1000
BRLED500/24	24	•	•		•			•	1200

BRMOT
PIR Motion Sensor

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