



## Polynova PJ Adaptable Boxes - IP55

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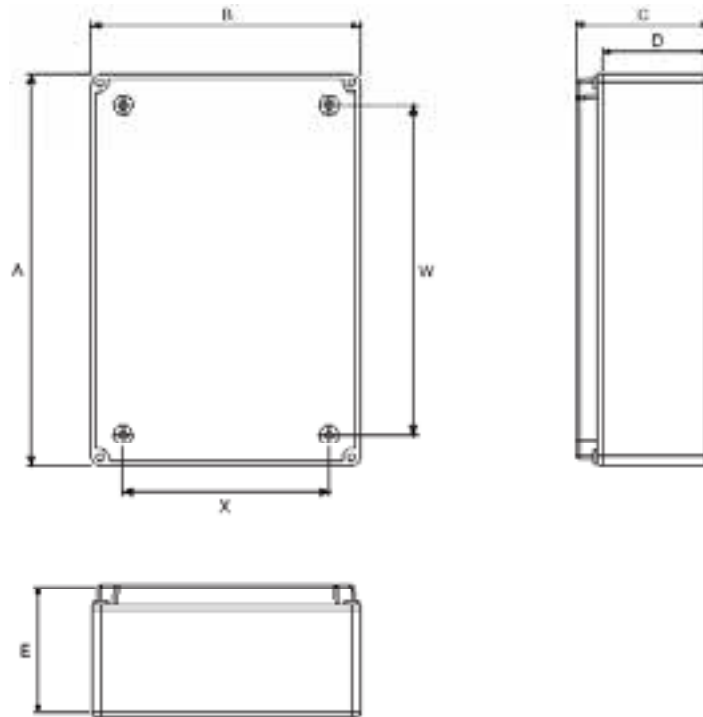


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DIMENSION SHEET

# POLYNOVA PJ



MENSION S

DIMENSION SHEET

## Opaque Lid Enclosures

Catalogue Number	External Dimensions				Internal Depth	Mounting Centres	
	A	B	C	D		E	W
PJ110706	110	75	65	50	53	75	40
PJ111106	110	110	65	50	53	75	75
PJ151107	150	110	75	60	62	115	75
PJ151507	150	150	75	60	62	115	115
PJ221507	220	150	75	60	62	185	115
PJ302207	300	220	75	60	62	265	185
PJ180908	180	90	85	66	72	140	60
PJ151110	150	110	100	60	87	115	75
PJ151510	150	150	100	60	87	115	115
PJ221510	220	150	100	60	87	185	115
PJ302210	300	220	100	60	87	265	185
PJ111111	110	110	112	60	100	75	75
PJ151115	150	110	150	60	137	115	75
PJ151515	150	150	150	60	137	115	115
PJ221515	220	150	150	60	137	185	115
PJ302215	300	220	150	60	137	265	185

DIMENSION SHEET

## Transparent Lid Enclosures

Catalogue Number	External Dimensions				Internal Depth	Mounting Centres	
	A	B	C	D		E	W
PJ110706T	110	75	65	60	53	75	40
PJ151107T	150	110	75	60	62	115	75
PJ151507T	150	150	75	60	62	115	115
PJ221507T	220	150	75	60	62	185	115
PJ302207T	300	220	75	60	62	265	185
PJ151110T	150	110	100	60	87	115	75
PJ151510T	150	150	100	60	87	115	115
PJ221510T	220	150	100	60	87	185	115
PJ302210T	300	220	100	60	87	265	185
PJ111111T	110	110	112	60	100	75	75
PJ151115T	150	111	150	60	137	115	75
PJ151515T	150	150	150	60	137	115	115
PJ221515T	220	150	150	60	137	185	115
PJ302215T	300	220	150	60	137	265	185

SION SHEET

ON SHEET



# Polynova PJ

## Adaptable Boxes - IP55

brenclosures.com.au/pj.htm



### Polynova PJ Features

- Thermoplastic opaque parts and clear polycarbonate cover
- Stainless steel cover screws
- Approvals
  - CE marked
  - UL94, V1 rating
  - IEC695-2-1, 960°C
  - glow wire test
- Materials
  - Opaque parts - Noryl
  - Transparent parts - polycarbonate
- Surface finish - RAL7035
- Protection rating - IP55

The Polynova PJ series is a range of modular thermoplastic enclosures designed to house terminations and electrical components in individual

boxes or assembled into mini banks. They are typically used for terminations, for low voltage control and distribution applications.

### Polynova PJ Selection Guide

Catalogue No.		Dimensions (mm)					Weight (kg)
Opaque	Transparent	Height	Width	Depth	Cover Depth		
PJ110706	PJ110706T	110	75	65	15	0.10	
PJ111106	-	110	110	65	15	0.15	
PJ151107	PJ151107T	150	110	75	15	0.20	
PJ151507	PJ151507T	150	150	75	15	0.30	
PJ221507	PJ221507T	220	150	75	15	0.35	
PJ302207	PJ302207T	300	220	75	15	0.70	
PJ180908*	-	180	90	85	19	0.25	
PJ151110	PJ151110T	150	110	100	40	0.25	
PJ151510	PJ151510T	150	150	100	40	0.35	
PJ221510	PJ221510T	220	150	100	40	0.40	
PJ302210	PJ302210T	300	220	100	40	0.80	
PJ111111	PJ111111T	110	110	112	62	0.20	
PJ151115	PJ151115T	150	110	150	90	0.30	
PJ151515	PJ151515T	150	150	150	90	0.40	
PJ221515	PJ221515T	220	150	150	90	0.50	
PJ302215	PJ302215T	300	220	150	90	0.90	

\*PJ180908 is rated to IP66

## Polynova PJ Accessories

Product	Description	Catalogue No	PJ110706(T)	PJ111106	PJ111111(T)	PJ151107(T)	PJ151110(T)	PJ151115(T)	PJ151507(T)	PJ151510(T)	PJ151515(T)	PJ180908	PJ221507(T)	PJ221510(T)	PJ221515(T)	PJ302207(T)	PJ302210(T)	PJ302215(T)
Mounting pan - metal	88x88 mm	PJ1111/M		•	•													
	125x88 mm	PJ1511/M				•	•	•										
	125x125 mm	PJ1515/M							•	•	•							
	155x68 mm	PJ1809/M										•						
	198x125 mm	PJ2215/M											•	•	•			
	275x198 mm	PJ3022/M														•	•	•
Wall mounting brackets	Non-metallic (2)	PJ/WMB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DIN rail - aluminium	85 mm	PJ/D11	•	•	•	•	•	•										
	125 mm	PJ/D15				•	•	•	•	•	•		•	•	•			
	195 mm	PJ/D22											•	•	•	•	•	•
	275 mm	PJ/D30														•	•	•

Introduction

General Purpose

Special Purpose

Multiple Application

Datacoms

Ancillary Items

Enclosure Selection

# Polynova PJ

## Adaptable Boxes - IP55



The Polynova PJ series is a range of modular thermoplastic enclosures designed to house terminations and electrical components in individual boxes or assembled into mini banks for low voltage control and distribution applications.

The range is available in 16 sizes, with the choice of an opaque or transparent cover, as shown above.

### Size Range Summary

Model	PJ110706	PJ111106*	PJ151107	PJ151507	PJ221507	PJ302207
Height	110	110	150	150	220	300
Width	75	110	110	150	150	220
Depth	65	65	75	75	75	75

Model	PJ180908*	PJ151110	PJ151510	PJ221510	PJ302210
Height	180	150	150	220	300
Width	90	110	150	150	220
Depth	85	100	100	100	100

Model	PJ111111	PJ151115	PJ151515	PJ221515	PJ302215
Height	110	150	150	220	300
Width	110	110	150	150	220
Depth	112	150	150	150	150

### Accessories Summary

Metal mounting pan, wall mounting brackets, tamper resistant cap, and DIN rail



### Polynova PJ Features

- Protection rating of IP55 to ensure protection against dust and water in demanding conditions
- Thermoplastic opaque parts and clear polycarbonate cover are self extinguishing and non dripping to conform to the IEC695-2-1, 960°C glow wire test, to ensure the highest personal safety
- Halogen free thermoplastic and polycarbonate materials designed to reduce smoke density in cases of combustion
- 304 Stainless steel cover screws, to prevent corrosion in demanding conditions
- Materials are UV stabilised for resistance to harsh sunlight
- Double insulation characteristics

### Approvals

CE marked  
UL94, V1 rating  
IEC695-2-1, 960°C  
glow wire test

### Materials

Opaque parts - Noryl  
Transparent parts - Polycarbonate  
Thickness - Varies

Surface Finish - Natural RAL7035

Protection Rating - IP55

### Guides

Material selection - page 290

### Also of interest

Smaller sizes - page 30  
Larger sizes - page 38  
Higher IP rating - page 30  
Steel - page 54  
Stainless Steel - page 90

### Drawing

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## Polynova PJ Enclosures and Dimensions

### Opaque Covers

Model	Cover Type	Dimensions (mm)			Cover Depth (mm)	Pack Qty	Weight (kg)
		Height	Width	Depth			
PJ110706	Opaque	110	75	65	15	10	0.10
PJ111106	Opaque	110	110	65	15	10	0.15
PJ151107	Opaque	150	110	75	15	5	0.20
PJ151507	Opaque	150	150	75	15	5	0.30
PJ221507	Opaque	220	150	75	15	1	0.35
PJ302207	Opaque	300	220	75	15	1	0.70
PJ180908*	Opaque	180	90	85	19	1	0.25
PJ151110	Opaque	150	110	100	40	1	0.25
PJ151510	Opaque	150	150	100	40	1	0.35
PJ221510	Opaque	220	150	100	40	1	0.40
PJ302210	Opaque	300	220	100	40	1	0.80
PJ111111	Opaque	110	110	112	62	5	0.20
PJ151115	Opaque	150	110	150	90	1	0.30
PJ151515	Opaque	150	150	150	90	1	0.40
PJ221515	Opaque	220	150	150	90	1	0.50
PJ302215	Opaque	300	220	150	90	1	0.90

\* PJ180908 is rated to IP66

### Transparent Covers

Model	Cover Type	Dimensions (mm)			Cover Depth (mm)	Pack Qty	Weight (kg)
		Height	Width	Depth			
PJ110706T	Transparent	110	75	65	15	10	0.10
PJ151107T	Transparent	150	110	75	15	5	0.20
PJ151507T	Transparent	150	150	75	15	1	0.30
PJ221507T	Transparent	220	150	75	15	1	0.35
PJ302207T	Transparent	300	220	75	15	1	0.70
PJ151110T	Transparent	150	110	100	40	1	0.25
PJ151510T	Transparent	150	150	100	40	1	0.35
PJ221510T	Transparent	220	150	100	40	1	0.40
PJ302210T	Transparent	300	220	100	40	1	0.80
PJ111111T	Transparent	110	110	112	62	5	0.20
PJ151115T	Transparent	150	110	150	90	1	0.30
PJ151515T	Transparent	150	150	150	90	1	0.40
PJ221515T	Transparent	220	150	150	90	1	0.50
PJ302215T	Transparent	300	220	150	90	1	0.90



## Polynova PJ Accessories

### Metal Mounting Pan

Mounting pans are supplied as optional extras in the Polynova PJ range. They are available in zinc passivated metal and are supplied with all fixings and fittings required for the installation.

Catalogue Number	To suit enclosure Height x Width (mm)	Mounting Pan Size (mm)		
		Height	Width	Thickness
PJ1111/M	110 x 110	88	88	1.6
PJ1511/M	150 x 110	125	88	1.6
PJ1515/M	150 x 150	125	125	1.6
PJ1809/M	180 x 90	155	68	1.6
PJ2215/M	220 x 150	198	125	1.6
PJ3022/M	300 x 220	275	198	1.6



### Wall Mounting Brackets (thermoplastic)

Wall mounting brackets ensure that the IP rating of the enclosure is not compromised and mount the enclosure body slightly off the wall.

Wall brackets are supplied in packs of two only, so for a typical installation, 2 packs would be required. All fixing and fittings are supplied for the installation.

Catalogue Number	Description	Pack Quantity
PJ/WMB	Wall mount brackets (2 off) made of insulating material and supplied with fixings	2



### DIN Rail

Used for mounting equipment into the enclosure, the extruded aluminium DIN rail is supplied cut and drilled to size, and with all fixings and instructions.

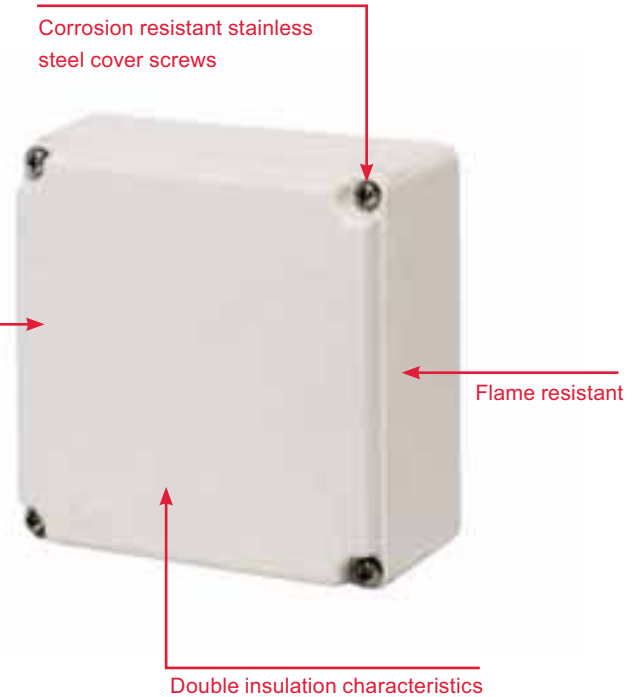
Catalogue Number	To suit enclosure Height or Width (mm)	Length (mm)
PJ/D11	110	88
PJ/D15	150	126
PJ/D22	220	196
PJ/D30	300	276





GENERAL PURPOSE

# POLYNOVA PJ



The Polynova PJ series is a range of modular thermoplastic enclosures designed to house terminations and electrical components in individual boxes or assembled into mini banks for low voltage control and distribution applications.

The range is available in 16 sizes, and with the choice of an opaque or transparent cover (on most sizes), and rated to IP55.

The materials used in the manufacture of the Polynova PJ have been specially chosen for their resistance to flames and the absence of harmful halogens and reduced smoke density. This makes them an extremely safe enclosure to use for many residential applications.

The transparent cover option ensures that electrical components can be easily inspected at any time without removing the enclosure lid.

Various accessories are available including a metal equipment mounting pan, and DIN rail for easy equipment mounting.

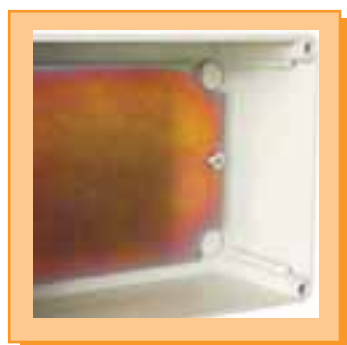
Contact your local B&R office for details  
[www.brenclosures.com.au](http://www.brenclosures.com.au)

## TECHNICAL INFORMATION



Model	Cover Type	Dimensions (mm)			Cover Depth (mm)	Usable Depth (mm)
		Height	Width	Depth		
PJ110706	Opaque	110	75	65	15	53.5
PJ111106	Opaque	110	110	65	15	53.5
PJ151107	Opaque	150	110	75	15	62.5
PJ151507	Opaque	150	150	75	15	62.5
PJ221507	Opaque	220	150	75	15	62.5
PJ302207	Opaque	300	220	75	15	62.5
PJ180908*	Opaque	180	90	85	19	72
PJ151110	Opaque	150	110	100	40	87.5
PJ151510	Opaque	150	150	100	40	87.5
PJ221510	Opaque	220	150	100	40	87.5
PJ302210	Opaque	300	220	100	40	87.5
PJ111111	Opaque	110	110	112	62	100.5
PJ151115	Opaque	150	110	150	90	137.5
PJ151515	Opaque	150	150	150	90	137.5
PJ221515	Opaque	220	150	150	90	137.5
PJ302215	Opaque	300	220	150	90	137.5
PJ110706T	Transparent	110	75	65	15	53.5
PJ151107T	Transparent	150	110	75	15	62.5
PJ151507T	Transparent	150	150	75	15	62.5
PJ221507T	Transparent	220	150	75	15	62.5
PJ302207T	Transparent	300	220	75	15	62.5
PJ151110T	Transparent	150	110	100	40	87.5
PJ151510T	Transparent	150	150	100	40	87.5
PJ221510T	Transparent	220	150	100	40	87.5
PJ302210T	Transparent	300	220	100	40	87.5
PJ111111T	Transparent	110	110	112	62	100.5
PJ151115T	Transparent	150	110	150	90	137.5
PJ151515T	Transparent	150	150	150	90	137.5
PJ221515T	Transparent	220	150	150	90	137.5
PJ302215T	Transparent	300	220	150	90	137.5

\*IP66 RATED



## ACCESSORIES

Model	Cover Type	Accessories		
		Metal Mounting Pan	Wall Mounting Brackets	DIN Rail
All	Opaque	•	•	•
All	Transparent	•	•	•



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