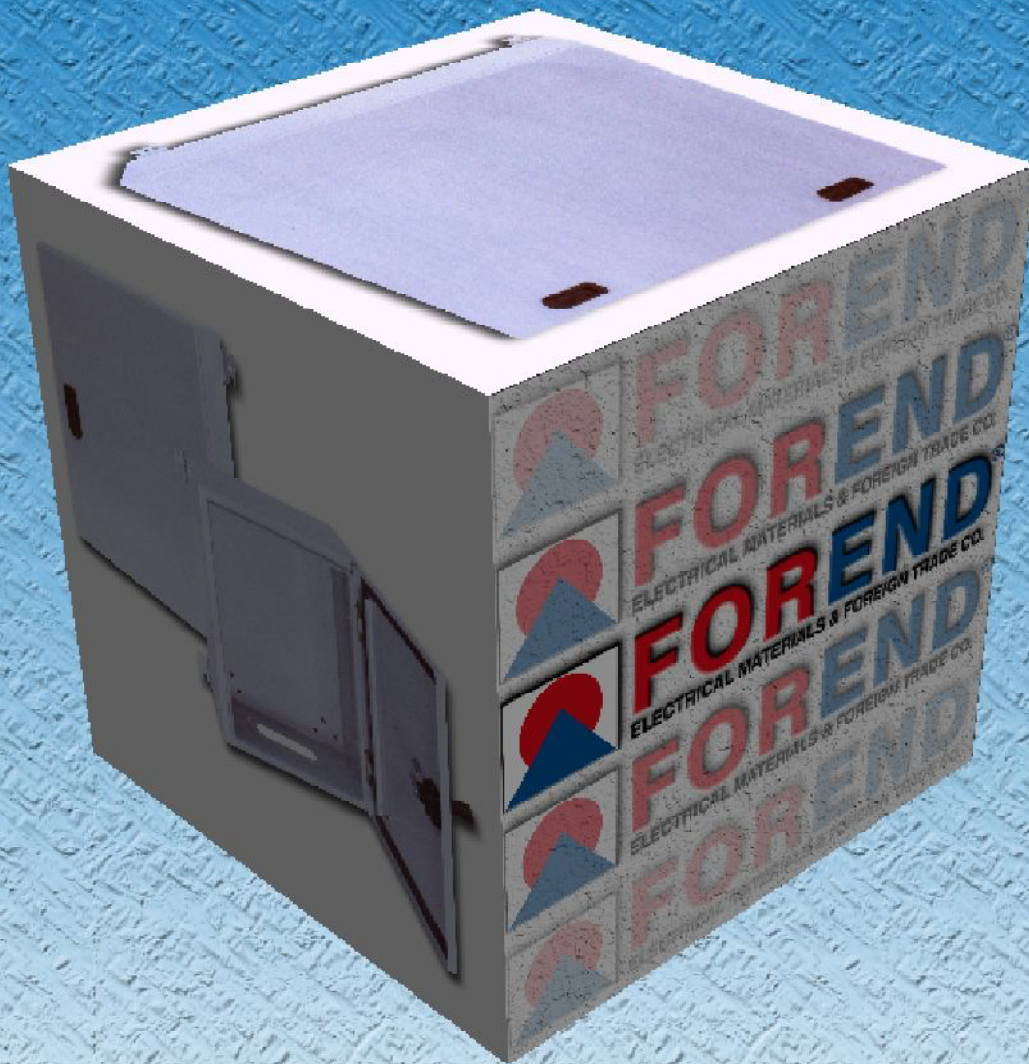


TABLE CATALOGUE

2011



FOREND®
FOREND ELECTRICAL MATERIALS & FOREIGN TRADE CO.

Wall Mounted Metal Enclosures For External Use!



Technical Characteristic

- Color, RAL 7035 Grey
- IP40 Protection
- Sheet Steel 0,80 mm
- Mounting Plate in Galvanized
- Bottom Flanish (Gland) Plate
- Hidden Hinges

Metal Enclosure

Code	Dimension LxHxD (mm)	Pack
FR 2025	200 x 250 x 135	1
FR 2030	200 x 300 x 135	1
FR 2530	250 x 300 x 155	1
FR 3035	300 x 350 x 155	1
FR 3040	300 x 400 x 155	1
FR 3545	350 x 450 x 155	1
FR 4050	400 x 500 x 175	1
FR 4060	400 x 600 x 175	1
FR 5060	500 x 600 x 185	1
FR 5070	500 x 700 x 190	1
FR 6070	600 x 700 x 185	1
FR 6080	600 x 800 x 200	1
FR 6090	600 x 900 x 200	1



Technical Characteristic

- Color, RAL7035 Grey
- IP54 Protection
- Sheet Steel 1,20mm
- Foamed in Door Gaskef
- Mounting Plate in Galvanized
- Bottom Flanish (Gland) Plate
- Hidden Hinges

Metal Enclosure

Code	Dimension LxHxD (mm)	Pack
FR 2025E	200 x 250 x 150	1
FR 2530E	250 x 300 x 150	1
FR 3035E	300 x 350 x 170	1
FR 3040E	300 x 400 x 170	1
FR 3040D	300 x 400 x 210	1
FR 3545E	350 x 450 x 170	1
FR 3545D	350 x 450 x 210	1
FR 4050E	400 x 500 x 190	1
FR 4050D	400 x 500 x 250	1
FR 4060E	400 x 600 x 190	1
FR 4060D	400 x 600 x 250	1
FR 5060E	500 x 600 x 190	1
FR 5060D	500 x 600 x 250	1
FR 5070E	500 x 700 x 200	1
FR 5070D	500 x 700 x 300	1
FR 6070E	600 x 700 x 200	1
FR 6070D	600 x 700 x 300	1
FR 6080E	600 x 800 x 200	1
FR 6080D	600 x 800 x 300	1
FR 6090E	600 x 900 x 200	1
FR 6090D	600 x 900 x 300	1
FR 60100E	600 x 1000 x 220	1
FR 60100D	600 x 1000 x 320	1
FR 70100E	700 x 1000 x 220	1
FR 70100D	700 x 1000 x 320	1
FR 80100E	800 x 1000 x 250	1
FR 80100D	800 x 1000 x 350	1

Wall Mounted Metal Enclosures For External Use!

For Wall Installation

Technical Characteristic

- Color, RAL 7035 Grey
- IP65 Protection
- Sheet Steel 1,50 mm
- Munting Plate in Galvanized
- Foamied in Door Gasket
- Bottom Flansh (Gland) Plate
- Hidden Hinges

Code	Dimension LxHxD (mm)	Pack
FR 130	300 x 400 x 180	1
FR 131	400 x 500 x 200	1
FR 132	400 x 600 x 200	1
FR 133	500 x 700 x 200	1
FR 134	600 x 800 x 200	1
FR 135	600 x 100 x 250	1

Plexiglass For Wall Installation

Code	Dimension LxHxD (mm)	Pack
FR 140	300 x 400 x 180	1
FR 141	400 x 500 x 200	1
FR 142	400 x 600 x 200	1
FR 143	500 x 700 x 200	1
FR 144	600 x 800 x 200	1
FR 145	600 x 100 x 250	1

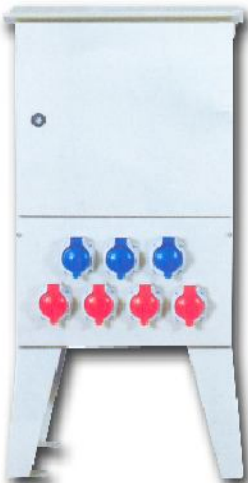
For Floor Installation

Code	Dimension LxHxD (mm)	Pack
CP156	500 x 1000 x 250	1
FR 157	500 x 1000 x 300	1
FR 158	600 x 800 x 250	1
FR 159	600 x 1000 x 300	1
FR 160	600 x 1000 x 400	1
FR 161	600 x 1800 x 500	1
FR 162	600 x 2000 x 500	1
FR 163	700 x 1000 x 400	1
FR 164	700 x 1500 x 400	1
FR 165	700 x 1800 x 500	1
FR 166	700 x 2000 x 500	1
FR 167	800 x 1000 x 300	1
FR 169	800 x 1000 x 400	1
FR 170	800 x 1500 x 400	1
FR 171	800 x 1800 x 500	1
FR 172	800 x 2000 x 500	1

For Floor Installation

Code	Dimension LxHxD (mm)	Pack
FR 126	400 x 1100 x 250	1

3pcs. 2P+E220V 16A Monophase Socket
 4pcs. 3P+N+E 380V 32A Triphase Socket



Junction Boxes

BLANK COVERS with Cable Gland

Technical Characteristic

-  RAL 7035 Grey
-  Impact Resistant
-  With Press-Fit cover
-  Made of ABS
-  Knock-Out Entries
-  Operating Temperature: -25 °C to +60 °C
-  Stainless steel screws



Junction Boxes

With Cable Gland

Code	Dimension LxHxD (mm)	Pack
FR 1036	Ø 70 x 40	60
FR 1037	Ø 85 x 45	40
FR 1038	80 x 80 x 40	40

Junction Boxes

With Cable Gland

	Code	Dimension LxHxD (mm)	Pack
new	FR 1039	80 x 120 x 50	
	FR 1040	100 x 100 x 50	18
new	FR 1051	150 x 110 x 70	9
new	FR 1052	190 x 145 x 80	10
new	FR 1053	250 x 200 x 90	6
new	FR 1054	310 x 230 x 130	6



Junction Boxes - Deeper

With Cable Gland

	Code	Dimension LxHxD (mm)	Pack
new	FR 1359	80 x 120 x 120	
new	FR 1360	100 x 100 x 120	
new	FR 1361	150 x 110 x 140	
new	FR 1362	190 x 145 x 140	10
new	FR 1363	250 x 200 x 160	6
new	FR 1364	310 x 230 x 180	6



Junction Boxes

BLANK COVERS with Knock Outs

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-Fit cover
- Made of ABS
- Knock-Out Entries
- Operating Temperature: -25 °C to +60 °C
- Stainless steel screws



Junction Boxes

With Knock Outs

	Code	Dimension LxHxD (mm)	Pack
new	FR 1236	Ø 70 x 40	60
new	FR 1237	Ø 85 x 45	40
new	FR 1238	80 x 80 x 40	40



Junction Boxes

With Knock Outs

	Code	Dimension LxHxD (mm)	Pack
new	FR 1239	80 x 120 x 50	
new	FR 1240	100 x 100 x 50	18
new	FR 1251	150 x 110 x 70	9
new	FR 1252	190 x 145 x 80	10
new	FR 1253	250 x 200 x 90	6
new	FR 1254	310 x 230 x 130	6

Junction Boxes - Deeper

With Knock Outs

	Code	Dimension LxHxD (mm)	Pack
new	FR 1259	80 x 120 x 120	
new	FR 1260	100 x 100 x 120	
new	FR 1261	150 x 110 x 140	
new	FR 1262	190 x 145 x 140	10
new	FR 1263	250 x 200 x 160	6
new	FR 1264	310 x 230 x 180	6



Junction Boxes

BLANK COVERS with Blank Sides

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS
- Screwed Cover
- Operating Temperature: -25 °C to +60 °C
- Smooth Sides and plain blank cover
- Time saving during maintenance operations



Easy for
installaiton

Junction Boxes

Blank Sides

	Code	Dimension LxHxD (mm)	Pack
new	FR 1029	80 x 120 x 50	
new	FR 1030	100 x 100 x 50	18
	FR 1041	150 x 110 x 70	9
	FR 1042	190 x 145 x 80	10
	FR 1043	250 x 200 x 90	6
	FR 1044	310 x 230 x 130	6
	FR 1045	400 x 300 x 130	6
new	FR 1046	230 x 125 x 77	
new	FR 1047	347 x 25 x 77	
new	FR 1048	457 x 125 x 77	



Junction Boxes

Deep Blank Sides

	Code	Dimension LxHxD (mm)	Pack
new	FR 1059	80 x 120 x 120	
new	FR 1060	100 x 100 x 120	
new	FR 1061	150 x 110 x 140	
new	FR 1062	190 x 145 x 140	10
new	FR 1063	250 x 200 x 160	6
new	FR 1064	310 x 230 x 180	6
new	FR 1066	230 x 125 x 118	

Mounting Plate



	Code	Dimension LxHxD (mm)	Pack
	FR 2042	200 x 155	10
	FR 2043	260 x 210	10
	FR 2044	320 x 240	10
	FR 2045	400 x 300	10

Junction Boxes

Transparent COVERS with Cable Gland

Technical Characteristic

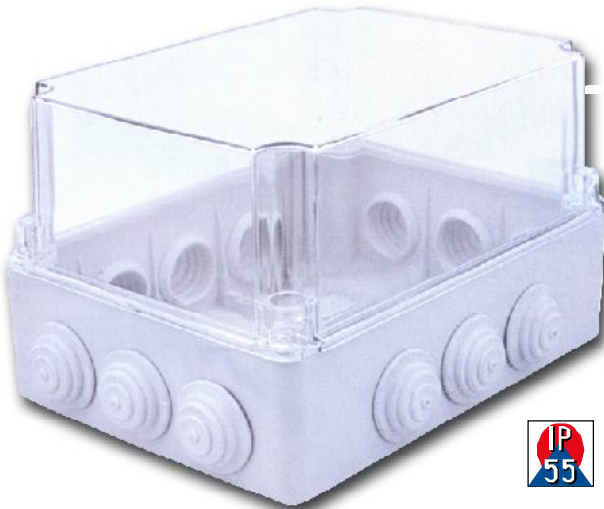
- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS; cover is made of polycarbonate
- Multiple Size Cable Sleeve
- Operating Temperature: -25 °C to +60 °C
- Stainless steel screws



Junction Boxes

With Cable Gland

	Code	Dimension LxHxD (mm)	Pack
new	FR 1151	150 x 110 x 70	9
new	FR 1152	190 x 145 x 80	10
new	FR 1153	250 x 200 x 90	6
new	FR 1154	310 x 230 x 130	6



Junction Boxes

With Cable Gland

	Code	Dimension LxHxD (mm)	Pack
new	FR 1461	150 x 110 x 140	
new	FR 1462	190 x 145 x 140	10
new	FR 1463	250 x 200 x 160	6
new	FR 1464	310 x 230 x 180	6

Junction Boxes

TRANSPARENT COVERS with Knock Outs

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS; cover is made of polycarbonate
- Knock-Out Entries
- Operating Temperature: -25 °C to +60 °C
- Stainless steel screws



Junction Boxes

With Knock Outs

	Code	Dimension LxHxD (mm)	Pack
new	FR 1451	150 x 110 x 70	9
new	FR 1452	190 x 145 x 80	10
new	FR 1453	250 x 200 x 90	6
new	FR 1454	310 x 230 x 130	6



Junction Boxes

With Knock Outs

	Code	Dimension LxHxD (mm)	Pack
new	FR 1471	150 x 110 x 140	
new	FR 1472	190 x 145 x 140	10
new	FR 1473	250 x 200 x 160	6
new	FR 1474	310 x 230 x 180	6

Junction Boxes

TRANSPARENT COVERS with Blank Sides

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS; cover is made of polycarbonate
- Screwed Cover
- Operating Temperature: -25 °C to +60 °C
- Smooth Sides and plain blank cover

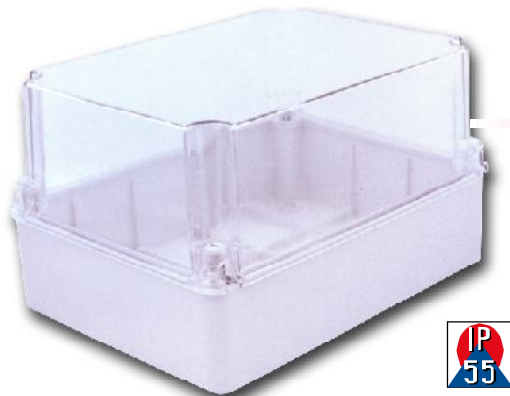


Transparent Door
choices for
different color

Junction Boxes

Blank Sides

	Code	Dimension LxHxD (mm)	Pack
new	FR 1131	150 x 110 x 70	9
	FR 1142	190 x 145 x 80	10
	FR 1143	250 x 200 x 90	6
	FR 1144	310 x 230 x 130	6
	FR 1145	400 x 300 x 130	6



Junction Boxes - Deeper

Blank Sides

	Code	Dimension LxHxD (mm)	Pack
new	FR 1161	150 x 110 x 140	
	FR 1162	190 x 145 x 140	10
	FR 1163	250 x 200 x 160	6
	FR 1164	310 x 230 x 180	6



Mounting Plate

	Code	Dimension LxHxD (mm)	Pack
	FR 2042	200 x 155	10
	FR 2043	260 x 210	10
	FR 2044	320 x 240	10
	FR 2045	400 x 300	10

Watertight Boards

Watertight Boards in thermoplastic material for protection devices for residential, commercial and industrial areas.

Blank Door

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS
- Including 1,20 mm Mounting plate

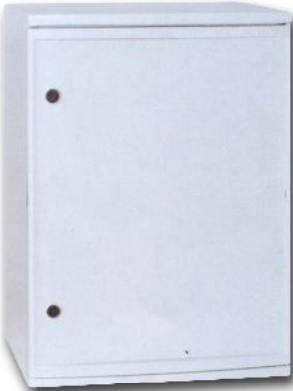
Code	Dimension LxHxD (mm)	Pack
FR 5001	210 x 280 x 130	1
FR 5002	250 x 330 x 130	1
FR 5003	300 x 400 x 165	1
FR 5003D	300 x 400 x 195	1
FR 5004	400 x 500 x 175	1
FR 5005	400 x 600 x 200	1
FR 5007	350 x 500 x 195	1



Boards are included with
galvanized mounting plate

Blank Door

Code	Dimension LxHxD (mm)	Pack
FR 5006	500 x 700 x 245	1

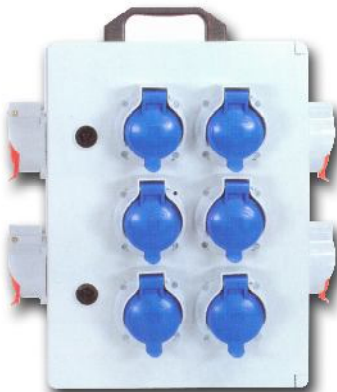


Adjustable
mounting plate

For Different Applications

Commercial Areas

- 6pcs. 2P+E 220V 16A Monophase Socket
- 4pcs. 3P+N+E 380V 16A Triphase Socket



Watertight Boards

Watertight Boards in thermoplastic material for protection devices for residential, commercial and industrial areas.

Transparent Door



Boards are included with galvanized mounting plate

Technical Characteristic

- RAL 7035 Grey
- Impact Resistant
- With Press-fit cover
- Made of ABS; cover is made of polycarbonate
- Including 1,20 mm Mounting plate

Code	Dimension LxHxD (mm)	Pack
FR 5011	210 x 280 x 130	1
FR 5012	250 x 330 x 130	1
FR 5013	300 x 400 x 165	1
FR 5013D	300 x 400 x 195	1
FR 5014	400 x 500 x 175	1
FR 5015	400 x 600 x 200	1
FR 5017	350 x 500 x 195	1



Transparent Door

Code	Dimension LxHxD (mm)	Pack
FR 5016	500 x 700 x 245	1

For Different Applications

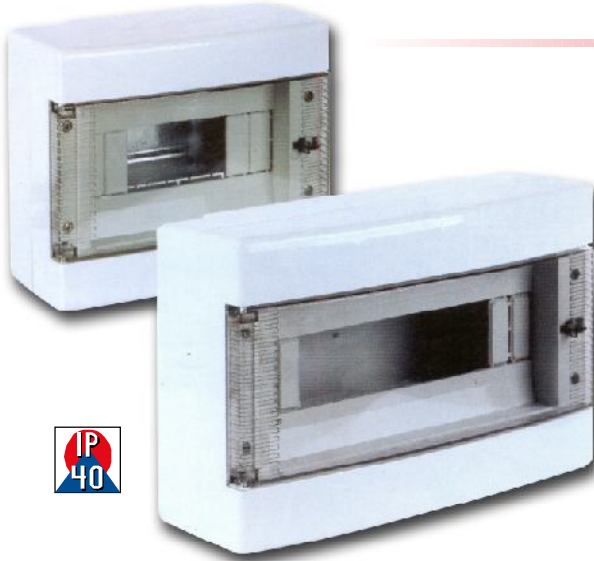
Commercial Areas



Distribution Boards

High installation versatility, all for outdoor applications and in technical areas.

Surface Mounting



Technical Characteristic

- Ral 91682 soft white
- Impact Resistant
- Degree of Protection IP 40
- Manufactured in polycarbonate raw material
- Including terminal block
- Hinged door which open more than 90°
- Smoked Transparent Door
- Choice For Blank Door
- Resistant to Chemical and weathering agents

Code	Dimension LxHxD (mm)	Din Modules	Pack
FRU 905	150 x 180 x 100	5 m	24
FRU 908	200 x 180 x 100	8 m	24
FRU 912	310 x 190 x 100	12 m	12
FRU 924	310 x 380 x 100	24 m	12
FRU 945	330 x 465 x 100	45 m	10

Without Cover Version



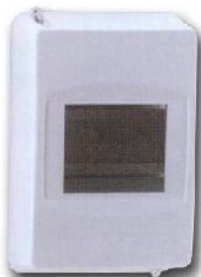
Code	Dimension LxHxD (mm)	Din Modules	Pack
FRS 1011	30 x 140 x 60	1m	140

Without Cover Version



Code	Dimension LxHxD (mm)	Din Modules	Pack
FRS 1012	50 x 140 x 60	2m	100

Without Cover Version

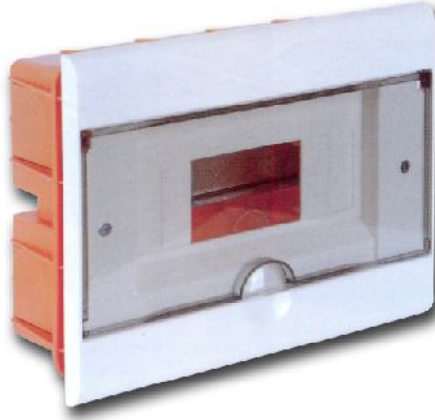


Code	Dimension LxHxD (mm)	Din Modules	Pack
FRS 1034	80 x 140 x 60	4m	56
FRS 1035	120 x 140 x 60	8m	28

Distribution Boards

High installation versatility, all for outdoor applications and in technical areas.

Flush Mounting



Technical Characteristic

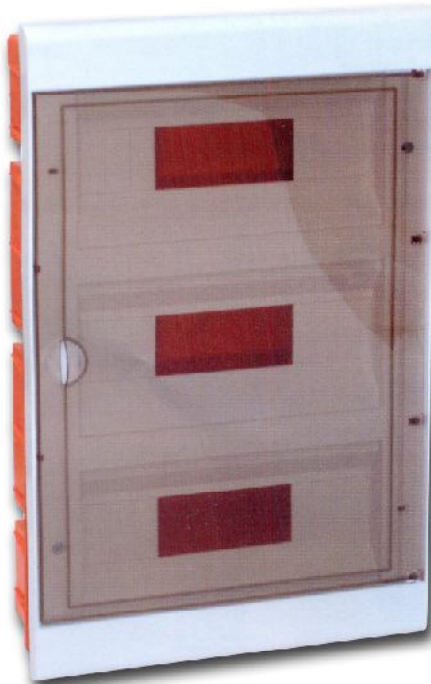
- Ral 7035 grey
- Impact Resistant
- Degree of Protection IP 40
- Manufactured in polycarbonate raw material
- Including terminal block
- Hinged door which open more than 90°
- Smoked Transparent Door
- Choice For Blank Door
- Resistant to Chemical and weathering agents

Code	Dimension LxHxD (mm)	Din Modules	Pack
FRA 905	150 x 140 x 60	5 m	24
FRA 908	210 x 170 x 90	8 m	24
FRA 912	290 x 170 x 90	12 m	12
FRA 924	310 x 350 x 90	24 m	12



Terminal Blocks

Code	For Enclosures	Fixing	Pack
FR 904	24 Modules	With Screws	20



Flush Mounting

Technical Characteristic

- Ral 7035 grey
- Impact Resistant
- Degree of Protection IP 40
- Manufactured in polycarbonate raw material
- Including terminal block
- Hinged door which open more than 90°
- Smoked Transparent Door
- Choice For Blank Door
- Resistant to Chemical and weathering agents

Code	Dimension LxHxD (mm)	Din Modules	Pack
FRA 936	310 x 480 x 100	36 m	10

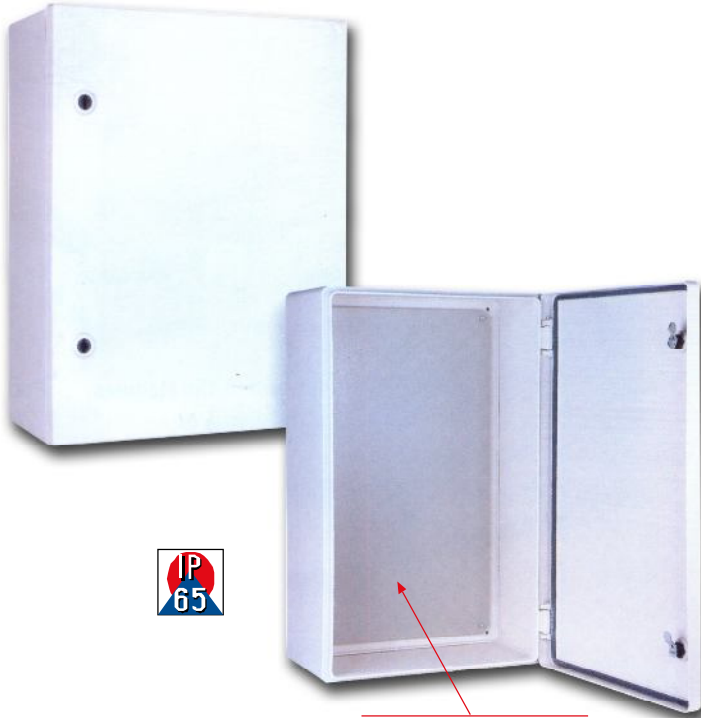
Polyester Boards

Blank Door

Technical Characteristic

- Ral 7035 grey
- Impact Resistant
- Degree of Protection IP 65
- With press-fit cover
- Manufactured in polyester reinforced with fibreglass
- Including 1,20 mm. Mounting plate
- Hinged door which open more than 90°
- Excellent resistant against corrosive ambient
- It's possible to install on the wall, ground or over bases supporting.

Code	Dimension LxHxD (mm)	Pack
FR 501	300 x 200 x 150	1
FR 503	250 x 300 x 155	1
FR 504	300 x 400 x 180	1
FR 505	400 x 500 x 190	1
FR 506	400 x 600 x 200	1
FR 508	500 x 800 x 285	1
FR 511	750 x 1000 x 300	1



Boards are included with
galvanized mounting plate

Plexiglass Door

Technical Characteristic

- Ral 7035 grey
- Impact Resistant
- Degree of Protection IP 65
- With press-fit cover
- Manufactured in polyester reinforced with fibreglass
- Including 1,20 mm. Mounting plate
- Hinged door which open more than 90°
- Excellent resistant against corrosive ambient
- It's possible to install on the wall, ground or over bases supporting.

Code	Dimension LxHxD (mm)	Pack
FR 522	300 x 400 x 180	1
FR 523	400 x 500 x 190	1
FR 524	400 x 600 x 200	1
FR 525	500 x 800 x 285	1



Polyester Distribution Boards



Polyester Distribution Boards

Technical Characteristic

- Ral 7035 grey
- Impact Resistant
- Degree of Protection IP 65
- With press-fit cover
- Manufactured in polyester reinforced with Fibreglass
- Including 1,20 mm. Mounting plate
- Hinged door which open more than 90°
- Excellent resistant againsts corrosive ambient
- It's possible to install on the wall, ground or over bases supporting.

Code	Dimension LxHxD (mm)	Din Modules	Pack
FR 530	300 x 400 x 180	10 m	1
FR 531	400 x 500 x 190	30 m (2x15)	1
FR 532	400 x 600 x 200	45 m (3x15)	1
FR 533	500 x 800 x 285	60 m (4x15)	1
FR 534*	400 x 600 x 200		1

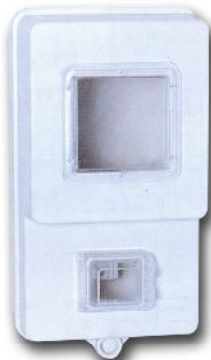
* Triphase meter boards for construction site.



Polyester Triphase Meter Boards

Code	Dimension LxHxD (mm)	Din Modules	Pack
FR 535	280 x 550 x 200	1 Trph.Met. 8m	1
FR 535E**	280 x 550 x 200	1 Trph.Met. 8m	1

* For electronic meter



Polyester Monophase Meter Boards

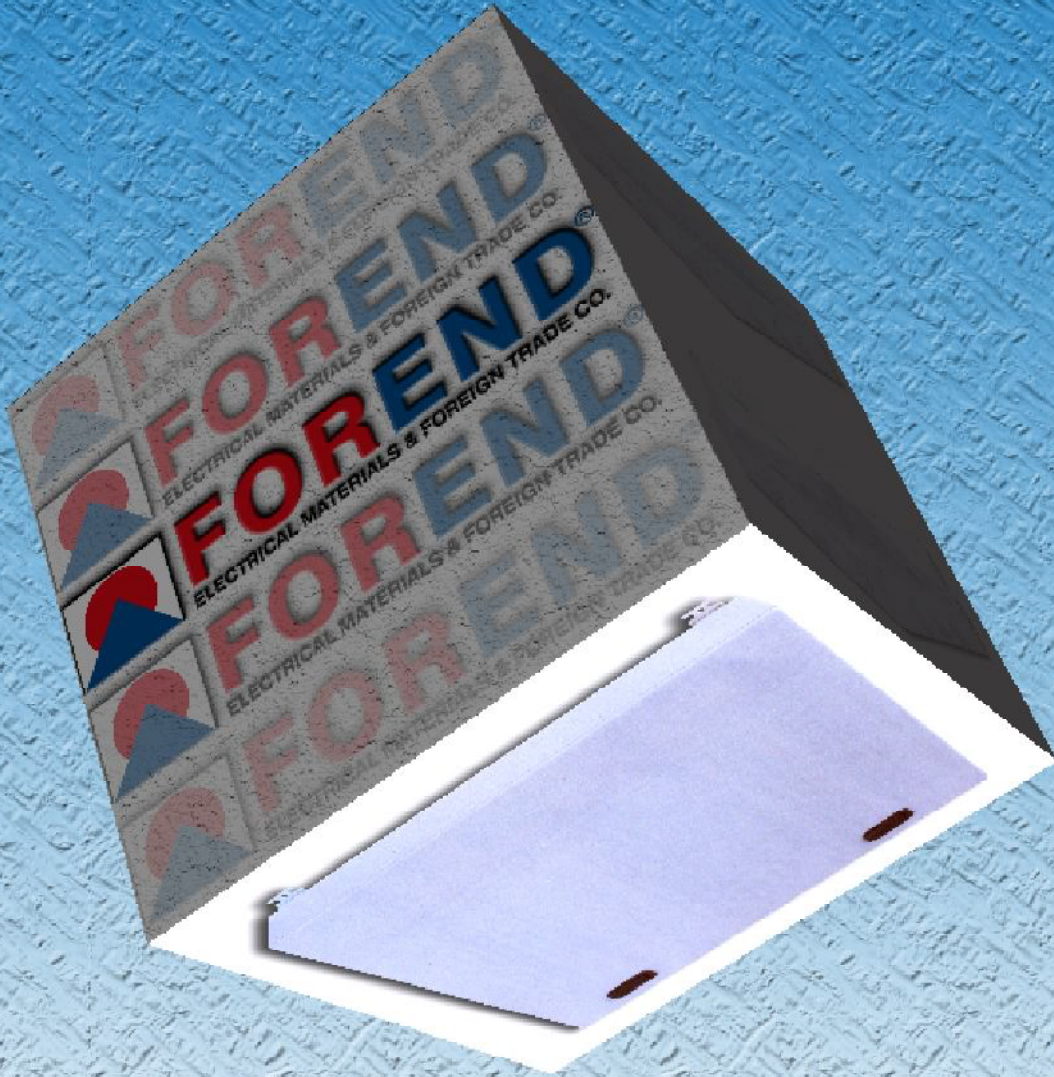
Code	Dimension LxHxD (mm)	Din Modules	Pack
FR 537	190 x 370 x 180	1 Mnph.Met. 2m	1
FR 537E**	190 x 370 x 180	1 Mnph.Met. 2m	1

* For electronic meter



TABLE CATALOGUE

2011



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