



MCCB PANEL BOARDS CATALOGUE



RYEFIELD ELECTRIC



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Ryefield Engineering

Ryefield Engineering Company Limited is the leader in electrical manufacturing goods with over 25 years operating experience. Ryefield has a long standing history of being the market leader for quality, reliability and safety in the electrical manufacturing field.

Specialising in fuse boards, isolators, fuse switches and SPD's, Ryefield provide solutions to wholesalers, SML organisations and individuals. Based in Hertfordshire and London, we guarantee the highest standards of products by working with only top suppliers. We take pride in always creating a product and solution that fits, so our technical team are on hand to work with and advise our customers.

As the leading specialists, we are always evolving our product offering by introducing new innovative products and intelligent solutions to our customers.

What we can offer



A new fuse board range with integral Type 1 & 2 and Type 2 SPDs from DEHN. Our fuse boards have been tested and are BS EN 61439-2 certified. Our retrofit kits are still available for our standard boards.



Consumer units - compliant with the current edition of the wiring regulations, with or without SPDs, and accept Ryefield's single pole AFDDs.



Floor standing cubicle switchboards - available in form 4 type 2 or form 4 type 6, with a choice of incomers starting at 400A and ending with 3000A, using fuse switches or MCCBs.



B Type distribution boards - 125A or 250A in 4, 6, 8, 12, 16, 18 or 24 TP ways. A type boards to compliment the B range are also available. The boards accept our standard 15kA MCBs SP or TP, 10kA RCBOs and are now offered surge ready using DEHN SPD units.

For basic switchboards (incomer several outgoing and limited metering) using CUBIC panels, delivery on this product can be as short as four to five weeks. Bespoke switchboards are also available.



Wall mounted fuse-gear - Isolators (20A up to 800A), fuse switches (32A up to 800A) and manual change-over switches (63A up to 800A), all of which are IP65 and have a range of complimentary floor standing isolators up to 2000A.



Automatic Transfer Switches either basic or for Life Safety applications, with the facility to have both single or dual line by-pass added, along with MIMIC panels for remote visual display of the ATS status. These units offer either the ABB compact or the ABB TruOne ATS modules and are fully compliant to BS EN 8519:2020.



Busbar chambers - 200A, 400A 630A and 800A variants.



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Contents

Description	Page Number
• MCCB Panel Boards 400A/630A/800A	4
• 400A Panel Board Connection Kits	5
• 400A Panel Board - Load Protection, Accessories	6, 7
• 630A Panel Board Connection Kits	7, 8
• 630A Panel Board - Load Protection	9
• 800A Panel Board with 800A MCCB Incomer	10
• 800A Panel Board with 800A MCCB Incomer - Connection Kits and Load Protection	10
• 800A Panel Board with 800A MCCB Incomer - Load Protection and Accessories	11
• Specifications	12
• Dimensions 400A, 630A & 800A Panel Boards	13, 14
• Dimensions 800A Panel Board with 800A MCCB Incomer	14
• Dimensions 400A, 630A & 800A Extension Boxes and Cable Boxes	14
• Product Flow Chart	15

MCCB Panel Boards 400/630/800A

Ryefield's 400A, 630A and 800A Panel Boards are wall-mounted electrical distribution systems designed for Terasaki circuit breakers. At the heart of your electrical network the Ryefield MCCB panel board range offers uncomplicated solutions for sub and main power distribution.

The three-phase incoming electrical supply can be connected through a Switch-Disconnecter, Circuit Breaker or Direct Connection Kit. A combination of single-phase and three phase loads can be connected to the outgoing terminals. The neutral conductor can be isolated by the supply connection device or connected directly to the neutral bar. Twin earth and neutral bars allow easy identification with corresponding line conductors.

Protection from exposed electrical conductors is provided by a cover plate, through which the supply and loads can be manually switched. Access to the switches is by opening the hinged door which is optionally lockable.



Key	Description	Comment
1	Enclosed panel board	3 styles: 400A, 630A & 800A with various incoming options
2	Load protection device	125A max for 400A panel board. Combination of 125A & 250A MCCBs for 630A & 800A panel boards.
3	Supply connection kit	Required
4	Integral supply metering kit	Fits inside the panel board
5	Supply cable box, small	Optional
6	Supply cable box, large	Optional
7	Side extension box	Optional
8	Corner filler box	Allows an assembly with side extension boxes to be finished in a regular shape.
9	34 module extension box for DIN modular devices	For example: Surge protection, modular contactors
10	34 module extension box for DIN modular devices	For example: Surge protection, modular contactors

The user assembles the components of the Pro-Panel system, usually at the place of installation (on-site).

A basic distribution system consists of an enclosed panel board (1), a supply connection kit (3) and load protection devices (2). Adding accessories can allow metering, extra space for incoming cables and a mounting system for DIN modular devices.

400A Panel Board

Choose a Panel Board

Maximum outgoing device rating = 125A

Outgoing device frame: TB2 Lite S160 (maximum 125A)

Outgoing device frame: 1P or 3P

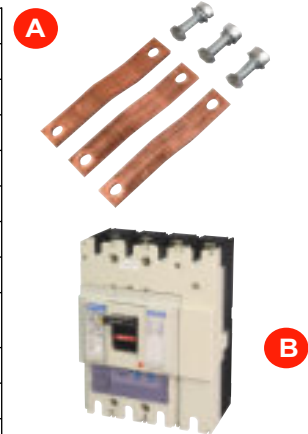


Product Code	400A Enclosed Panel Board
TP4006125	6 Way Panel Board
TP4008125	8 Way Panel Board
TP40012125	12 Way Panel Board
TP40016125	16 Way Panel Board
TP40018125	18 Way Panel Board

400A Panel Board - Connection Kits

Select a connection kit

Product Code	Supply Connection Kit	Model	Key
DIR400	400A 3P Direct Connection Kit		
	OR		
INC4004003	400A 3P Links and Shroud Kit		A
INC4004004	400A 4P Links and Shroud Kit		A
	PLUS		
381553	400A 4P Links and Shroud Kit	S400-NN	B
379628	400A 3P MCCB Incomer (Electronic)	S400-NE	B
381430	400A 3P MCCB Incomer (Thermal Magnetic)	S400-CJ	B
381577	400A 4P Switch Disconnecter	S400-NN	B
379741	400A 4P Switch Disconnecter	S400-NE	B
378652	400A 4P Switch Disconnecter	S400-CJ	B



Product Code	Optional Accessories for 400A Supply Connection Kits
PMM4	Digital Meter Pack 400A PB
081002	3P Terminal Cover for Supply Side
010323	3P Spreader Bars Cover for Supply Side
081347	3P Spreader Terminal Cover for Supply Side
081019	4P Terminal Cover for Supply Side
010330	4P Spreader Bars for Supply Side
080814	4P Spreader Terminal Cover for Supply Side
037207	4P Spreader Terminal Cover for Supply Side

400A Panel Board - Load Protection

Select Load Protection

160A Frame MCCBs - Single Pole

Fixed Protection complete with cable clamps



Icu = 25kA at 240V AC	Rating
591761	16A
591778	20A
591785	25A
591792	32A
591808	40A
591815	50A
591822	63A
591839	80A
591846	100A
591853	125A

160A Frame MCCBs - Three Pole

Adjustable Protection complete with cable clamps



Icu = 16kA at 400V AC	Icu = 25kA at 400V AC	Icu = 40kA at 400V AC	Rating
592263	591983	592546	16A - 25A
592270	591990	592553	25A - 40A
592287	592003	592560	40A - 63A
592294	592010	592577	50A - 80A
592300	592027	592584	63A - 100A
592317	592034	592591	80A - 125A

400A Panel Board - Accessories

Select the required accessories

Product Code	Description
065224	1P 125A Load Terminal Cover
065248	3P 125A Load Terminal Cover
TP125BLANK	1P Blanking Plate for 125A
064906	Padlock Device for outgoing MCCB
TP400800DINX34	1 Row 34 Mod DIN Ext Box 300mm
TP400800DINX64	2 Row 68 Mod DIN Ext Box 450mm
TPCABS400800DK	Small Spreader Box 300mm Door Kit
TPCABS400800	Small Spreader Box 300mm

TPCABL400800DK	Large Spreader Box 450mm Door Kit
TPCABL400800	Large Spreader Box 450mm
TP4WSMB	4 Way Side Metering Box
TP6WSMB	6 Way Side Metering Box
TP8WSMB	8 Way Side Metering Box
TP9WSMB	9 Way Side Metering Box
TPCSMB300	Corner Filler Box 300mm
TPCSMB450	Corner Filler Box 450mm
TPACCLOCK	Key lock with one key for PB
TPACCALLEN	Allen Key Set
TPACCPAINT	Touch Up Paint 30ml for PB
TPENDPLATE	End Plate for 400/800 PB

630A Panel Board

Choose a Panel Board

Maximum outgoing device rating = 250A

Outgoing device frame: TB2 Lite S160 (maximum 125A) or TB2 Lite 250A

Outgoing device frame: 1P or 3P

Product Code	Outgoing MCCB Combinations	630A Enclosed Panel Board
TP80022504125	2 x 250A & 4 x 125A	6 Way Panel Board
TP80022506125	2 x 250A & 6 x 125A	8 Way Panel Board
TP80042504125	4 x 250A & 4 x 125A	8 Way Panel Board
TP800225010125	2 x 250A & 10 x 125A	12 Way Panel Board
TP80042508125	4 x 250A & 8 x 125A	12 Way Panel Board
TP800425014125	4 x 250A & 14 x 125A	18 Way Panel Board
TP800625012125	6 x 250A & 12 x 125A	18 Way Panel Board



630A Panel Board - Connection Kits

Select a connection kit

Product Code	Supply Connection Kit	Model	Key
DIR800	800A 3P PB Direct Connection Kit		
	OR		
INC4008003	400A 3P Links and Shroud Kit		A
INC4008004	400A 4P Links and Shroud Kit		A
INC6308003	630A 3P Links and Shroud Kit		A
INC6308004	630A 4P Links and Shroud Kit		A





B

Product Code	Supply Connection Kit	Model	Key
	PLUS		
381553	400A 3P Switch Disconnecter	S400-NN	B
379628	400A 3P MCCB Incomer Electronic	S400-NE	B
381430	400A 3P MCCB Incomer Thermal Magnetic	S400-CJ	B
381577	400A 4P Switch Disconnecter	S400-NN	B
379741	400A 4P MCCB Incomer Electronic	S400-NE	B
378652	400A 4P MCCB Incomer Thermal Magnetic	S400-CJ	B
SWD6308003*	630A 3P Switch Disconnecter	S800-NN	B
812262*	630A 3P MCCB Incomer Electronic	S800-NE	B
812088*	630A 3P MCCB Incomer Thermal Magnetic	S800-CJ	B
SWD6308004*	630A 4P Switch Disconnecter	S800-NN	B
812361*	630A 4P MCCB Incomer Electronic	S800-NE	B
812101*	630A 4P MCCB Incomer Thermal Magnetic	S800-CJ	B

* Cable boxes are recommended.

630A Panel Board - Connection Kits

Select the required accessories

Product Code	Description
PMM4	Digital Meter Pack 400A PB
PMM8	Digital Meter Pack 800A PB
010323	400A 3P Spreader Bars for Supply Side
081347	400A 3P Terminal Cover for Supply Side
010330	400A 4P Spreader Bars for Supply Side
080814	400A 4P Terminal Cover for Supply Side
215003357*	630A 3P Attach Bars for Busbar Side
081040	630A 3P Terminal Cover for Supply Side
215003359*	630A 4P Attach Bars for Busbar Side
081057	630A 4P Terminal Cover for Supply Side
037207	Padlocking Device for Incomer (400~630A)

* Mandatory

Select Load Protection

160A Frame MCCBs - Single Pole

Fixed Protection complete with cable clamps

Icu = 25kA at 240V AC	Rating
591761	16A
591778	20A
591785	25A
591792	32A
591808	40A
591815	50A
591822	63A
591839	80A
591846	100A
591853	125A



160A Frame MCCBs - Three Pole

Adjustable Protection complete with cable clamps

Icu = 16kA at 400V AC	Icu = 25kA at 400V AC	Icu = 40kA at 400V AC	Rating
592263	591983	592546	16A - 25A
592270	591990	592553	25A - 40A
592287	592003	592560	40A - 63A
592294	592010	592577	50A - 80A
592300	592027	592584	63A - 100A
592317	592034	592591	80A - 125A



250A Frame MCCBs - Three Pole

Adjustable Protection complete with front connections

Icu = 16kA at 400V AC	Icu = 25kA at 400V AC	Icu = 40kA at 400V AC	Rating
933486	933523	933561	32A - 50A
933493	933530	933578	40A - 63A
929540	930485		63A - 100A
929557	930492		80A - 125A
929564	930508	930683	100A - 160A
929571	930515	930690	126A - 200A
929588	930522	930706	158A - 250A



800A Panel Board with 800A MCCB Incomer

Choose a Panel Board

Maximum outgoing device rating = 250A

Outgoing device frame: TB2 Lite S160 (maximum 125A) or TB2 Lite 250A

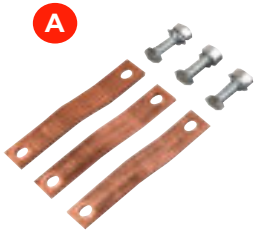
Outgoing device frame: 1P or 3P



Product Code	Outgoing MCCB Combinations	400A Enclosed Panel Board
TP800225010125	2 x 250A & 10 x 125A	12 Way Panel Board
TP80042508125	4 x 250A & 8 x 125A	12 Way Panel Board
TP800425014125	4 x 250A & 14 x 125A	18 Way Panel Board
TP800625012125	6 x 250A & 12 x 125A	18 Way Panel Board

800A Panel Board with 800A MCCB Incomer - Connection Kits

Select a connection kit



Product Code	Supply Connection Kit	Model	Key
INCM8008003	800A 3P Links and Shroud Kit		A
INCM8008004	800A 4P Links and Shroud Kit		A
PLUS			
MLD8003	800A 3P MCCB Incomer Electronic		A
MLD8004	800A 4P MCCB Incomer Electronic		A

800A Panelboard with 800A MCCB Incomer - Load Protection

Select Load Protection

160A Frame MCCBs - Single Pole

Fixed Protection complete with cable clamps



Icu = 25kA at 240V AC	Rating
591761	16A
591778	20A
591785	25A
591792	32A
591808	40A
591815	50A
591822	63A
591839	80A
591846	100A
591853	125A

160A Frame MCCBs - Three Pole

Adjustable Protection complete with cable clamps

Icu = 16kA at 400V AC	Icu = 25kA at 400V AC	Icu = 40kA at 400V AC	Rating
592263	591983	592546	16A - 25A
592270	591990	592553	25A - 40A
592287	592003	592560	40A - 63A
592294	592010	592577	50A - 80A
592300	592027	592584	63A - 100A
592317	592034	592591	80A - 125A



250A Frame MCCBs - Three Pole

Adjustable Protection complete with front connections

Icu = 16kA at 400V AC	Icu = 25kA at 400V AC	Icu = 40kA at 400V AC	Rating
933486	933523	933561	32A - 50A
933493	933530	933578	40A - 63A
929540	930485		63A - 100A
929557	930492		80A - 125A
929564	930508	930683	100A - 160A
929571	930515	930690	126A - 200A
929588	930522	930706	158A - 250A



800A Panelboard - Accessories

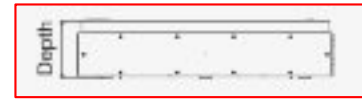
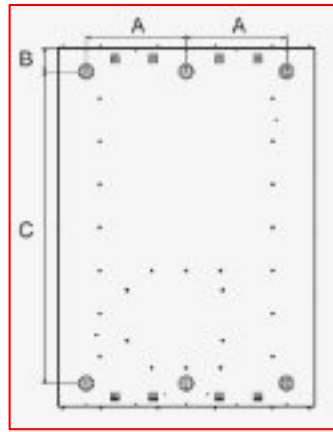
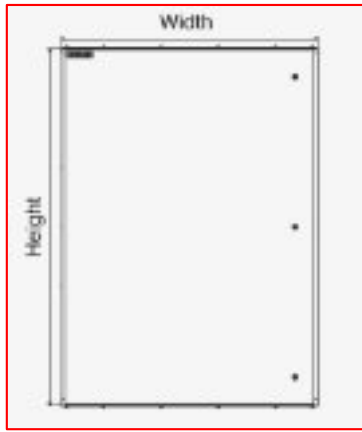
Select the required accessories

Product Code	Note	Description
065224	Optional	1P 125A Load Terminal Cover
065248	Optional	3P 125A Load Terminal Cover
065309	Optional	3P 250A Load Terminal Cover
TP250COV	Required	3P 250A Busbar Side Cover
TP125BLANK	3 per Three Pole MCCB	1P Blanking Plate for 125A
TP250BLANK	1 per Three Pole MCCB	3P Blanking Plate for 250A
064906	Optional	Padlock Device for outgoing MCCB
TPACCLOCK	Optional	Key lock with one key for PB
TPACCALLEN	Optional	Allen Key Set
TPACCPAINT	Optional	Touch Up Paint 30ml for PB
TPENDPLATE	Optional	End Plate for 400/800 PB

Specifications

Panel Board Type	400A	630A	800A Incomer
Standard	BS EN 61439-2		
Busbar Rated Current	400A	800A	
Main Busbar withstand rating	Icw = 35kA for 1 sec / 73.5kA Peak		
Busbar Material	Copper		
Busbar Structure	Fully shrouded		
Busbar Structure	IP2X to BS EN 60529		
Form of Separation	Form 3A is standard		
	Form 3B, Type 2 is available on request. Contact Ryefield		
Enclosure Material	1.2mm Steel		
Enclosure Colour	Powder-coated RAL 9002		
Outgoing Ways	6, 8, 12, 16 & 18 three pole ways		12 & 18 three pole ways
	SP up to 125A	SP up to 125A	SP up to 125A
	TP up to 250A	TP up to 125A	TP up to 125A
		TP up to 250A	TP up to 250A
Supply Earth Terminal	M10		
Supply Neutral Terminal	M12		
Incoming Supply Terminal	M12		
Load Earth Terminals	Up to 50mm CSA		
Load Neutral Terminals	Up to 50mm CSA		
MCCB Load Terminal	125A Cage Terminals		
	250A M8 Lug Terminals (Narrow Type)		
Mounting	Keyhole - 6 Position	Keyhole 8 Position	
Cable Entry	Gland Plates Top & Bottom		
Door Security	Slotted catch as standard, keylock option		

Dimensions

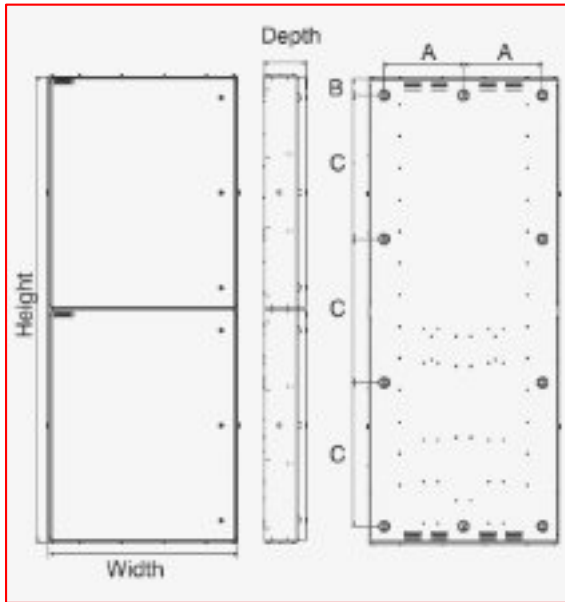


400A Panel Board

Product Code	Dimensions Height mm	Dimensions Width mm	Dimensions Depth mm	Fixing Centres A mm	Fixing Centres B mm	Fixing Centres C mm
TP4006125	1250	900	200	350	81.5	1087.5
TP4008125	1250	900	200	350	81.5	1087.5
TP40012125	1400	900	200	350	81.5	1237.5
TP40016125	1550	900	200	350	81.5	1387.5
TP40018125	1700	900	200	350	81.5	1537.5

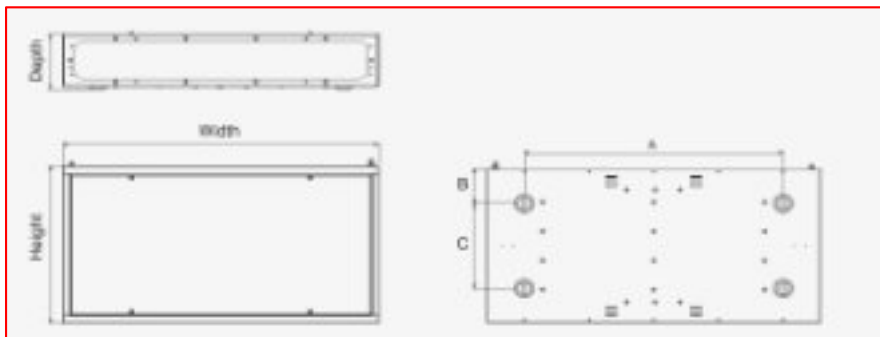
630A Panel Board

Product Code	Dimensions Height mm	Dimensions Width mm	Dimensions Depth mm	Fixing Centres A mm	Fixing Centres B mm	Fixing Centres C mm
TP80022504125	1250	900	200	350	81.5	1087.5
TP80022506125	1250	900	200	350	81.5	1087.5
TP80042504125	1250	900	200	350	81.5	1037.5
TP800225010125	1440	900	200	350	81.5	1287.5
TP80042508125	1440	900	200	350	81.5	1237.5
TP800425014125	1700	900	200	350	81.5	1537.5
TP800625012125	1700	900	200	350	81.5	1537.5



800A Panel Board with 800A MCCB Incomer

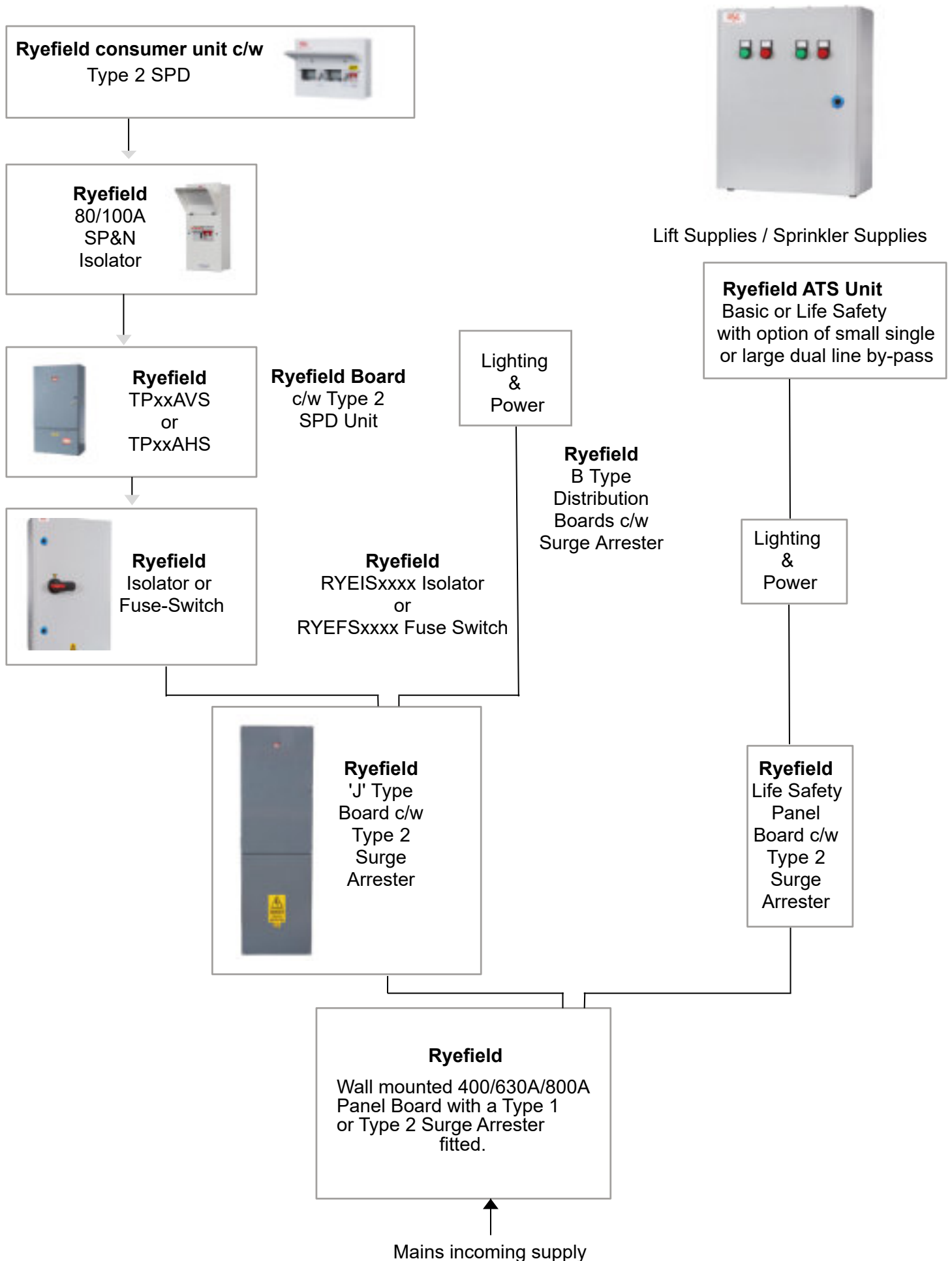
Product Code	Dimensions Height mm	Dimensions Width mm	Dimensions Depth mm	Fixing Centres A mm	Fixing Centres B mm	Fixing Centres C mm
TP800225010125	2250	900	200	375	81.5	679.1
TP80042508125	2250	900	200	375	81.5	679.1
TP800425014125	2250	900	200	375	81.5	679.1
TP800625012125	2250	900	200	375	81.5	679.1



400A, 630A & 800A Panel Board Extension Boxes

Product Code	Dimensions Height mm	Dimensions Width mm	Dimensions Depth mm	Fixing Centres A mm	Fixing Centres B mm	Fixing Centres C mm
TPCABS400800	300	900	160	700	101.3	97.5
TPCABL400800	450	900	160	700	101.3	247.5
TP400800DINX34	300	900	200	700	101.3	97.5
TP400800DINX68	450	900	200	700	101.3	247.5

Product Flow Chart





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