

CLIPSAL

Official Provider of Electrical Accessories & Building Automation to the Sydney 2000 Olympic Games

4 SERIES

consumer switchboards and components



technical catalogue

Designed for fast installation and wiring



4 SERIES

consumer switchboards
and components



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4 SERIES

A BRILLIANT RANGE OF SWITCHBOARDS TO

4 SERIES consumer switchboards and components

Clipsal has developed the ultimate consumer switchboard system. With surface and recessed switchboards in economical or deluxe versions, Clipsal has a model to cater for every possible need.

Built with the electrical contractor in mind, the range includes time saving clip rail and RCD models. Our deluxe models are 100% Australian made and offer generous wiring room and an extensive choice of mounting positions and colours.

All small and medium switchboards in the range are constructed of durable, fully insulated plastic, with larger models made of heavy duty metal.



MEET THE NEEDS OF EVERY CONTRACTOR



Catalogue Number Format and Legend

The following legends provide a brief explanation of the numbering system for consumer board catalogue numbers.

4 **XX** **X** **XXX** **X**

- 4** Consumer Range Primary Number.
- C** Surface Mounted Deluxe Consumer Switchboard. CR and RCD version dedicated to Clipsal 3, 6, 8kA Circuit Breakers.
- P** As for C above except CR and RCD version dedicated to Clipsal 10kA Circuit Breakers.
- FC** As for C above except flush.
- CC** Economy Consumer Switchboard.
- xxW** IP34 Rating or better.
- X** Number of Modules.
- CR** Clip Rail.
- FD** Full DIN.
- RCD** Residual Current Device.
- L** Lid.
- MB** Mounting Block.
- WB** Wall Box.
- SF** Spacer Flange.
- FK** Flushing Kit.
- G** Grid Assembly.
- Blank** Complete Switchboards.



4C/4P SERIES PLASTIC DELUXE SURFACE MOUNTING CONSUMER SWITCHBOARDS

The requirements of the electrical contractor have always been of prime importance to Clipsal. This is more than evident in the 4C and 4P Series of switchboards, which have been designed to enable speedy wiring, accessory mounting and installation.

This premium range of Consumer Switchboards is available in cream and white with transparent beige or grey lids. Opaque cream and white lids are also available; refer to the accessories section for further information.

4C/4P - FD Range - Full DIN

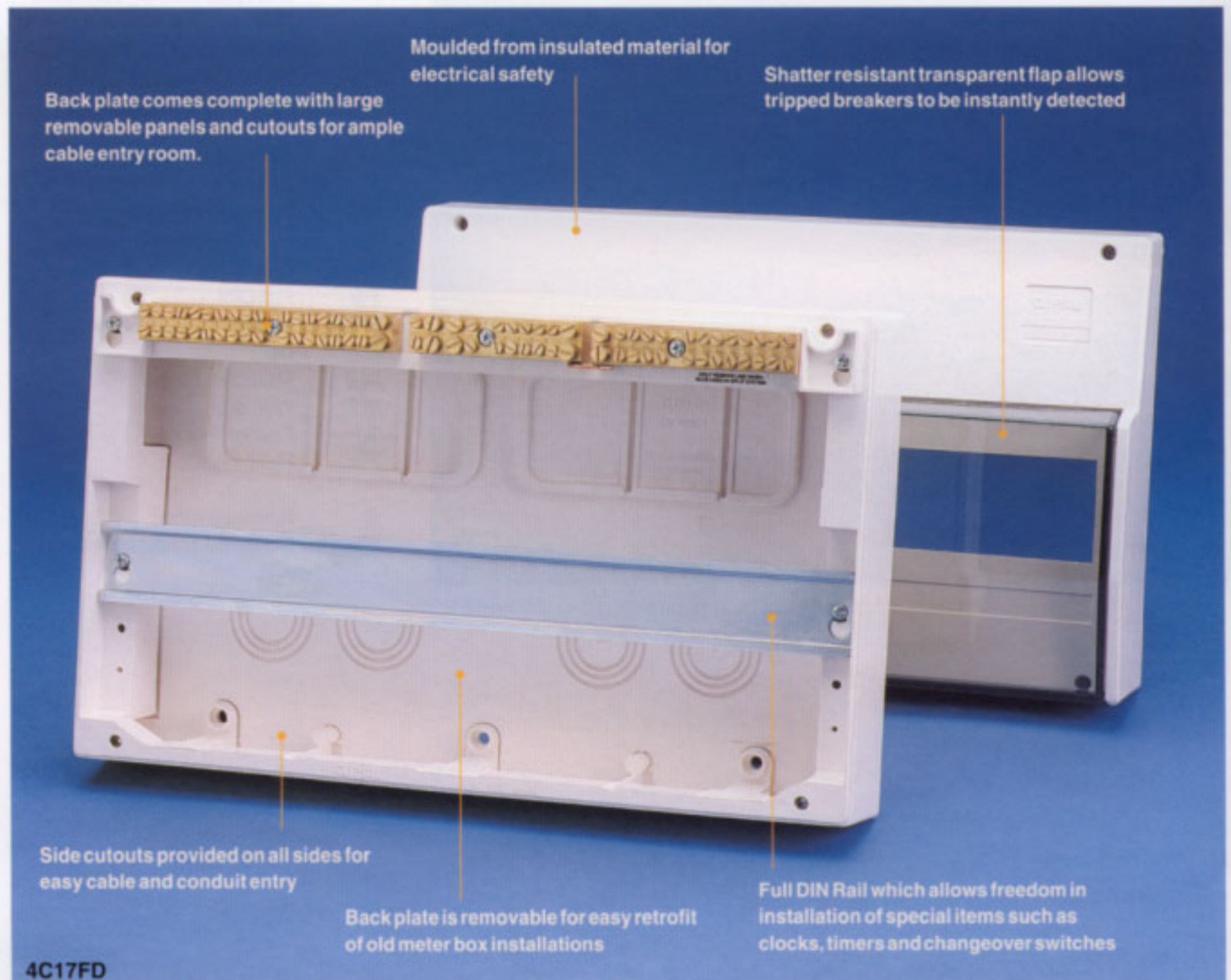
Plastic Deluxe Surface Mounting
Consumer Switchboards

Features

- Available in Cream or White to suit every decor
- More than ample cable entries and mounting points
- Generous wiring room
- Loose busbar supplied for quick and versatile connection to line side of circuit breakers
- Comprehensive range of legend stickers
- Generous earth and split neutral bars are provided and located for ease of wiring. Large size MEN terminal included for termination of cables up to 35mm².



4C6FD



Back plate comes complete with large removable panels and cutouts for ample cable entry room.

Moulded from insulated material for electrical safety

Shatter resistant transparent flap allows tripped breakers to be instantly detected

Side cutouts provided on all sides for easy cable and conduit entry

Back plate is removable for easy retrofit of old meter box installations

Full DIN Rail which allows freedom in installation of special items such as clocks, timers and changeover switches

4C17FD

Clipsal "Time Savers"

These Consumer Switchboards incorporate time saving features for the installer, one of which is a Main Switch already mounted to the permanently fixed Busbar.

The unique 'drop in' Clip Rail then makes it easy to install MCBs.

4C/4P Range CR Clip Rail

Plastic Deluxe Surface Mounting Consumer Switchboards

Clipsal 4C - 4P Clip Rail Consumer Switchboards are designed for fast installation, saving you valuable time.

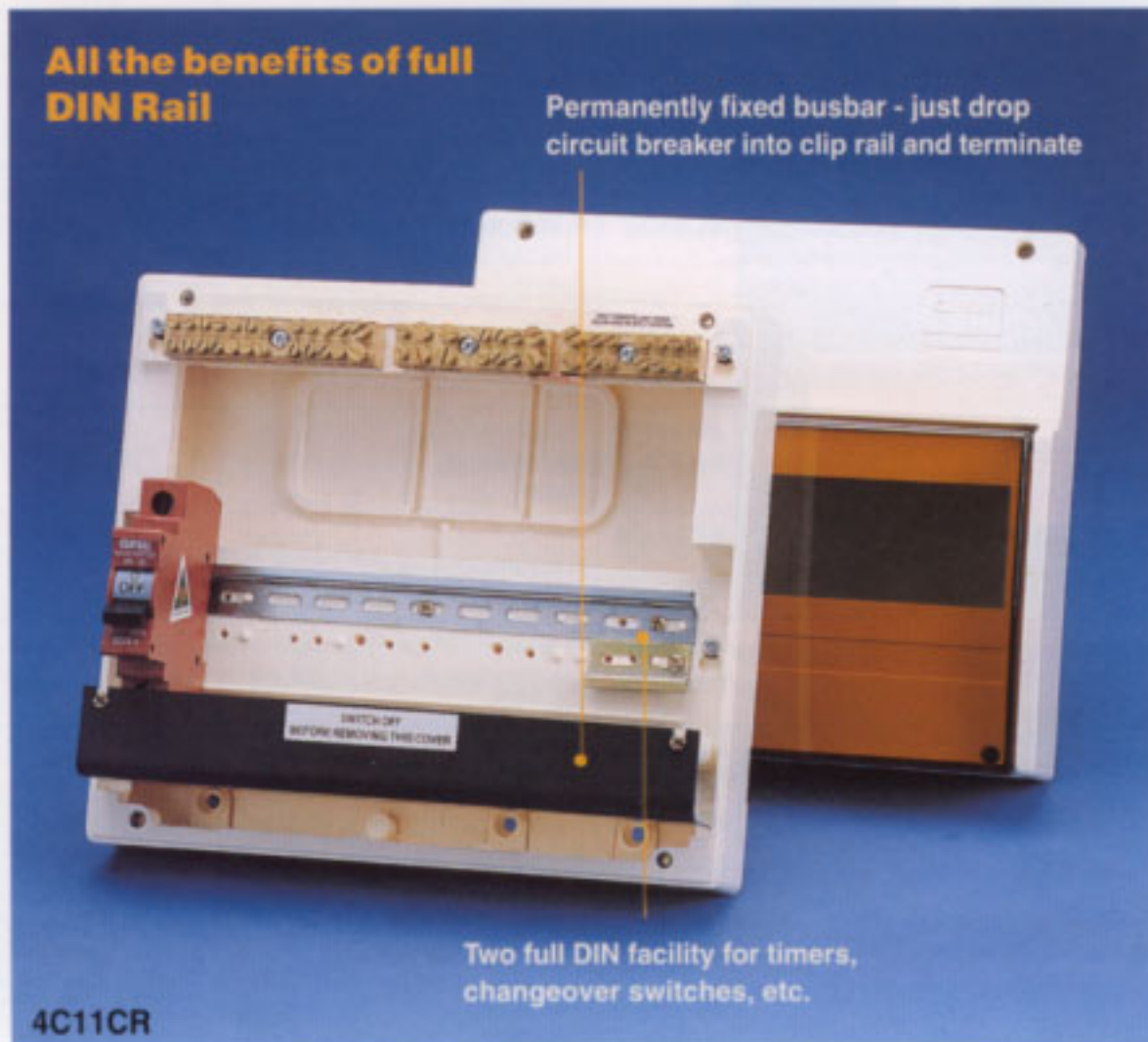
Australia's first half DIN system to suit 6, 11 and 17 way consumer boards. The unique clip rail saves installation time.

Features

- All the benefits of the full DIN Rail
- Pre-connected isolator (80A). Just terminate submain. Saves you ordering and installation time. Large size terminal bore for installation up to 35mm²

All the benefits of full DIN Rail

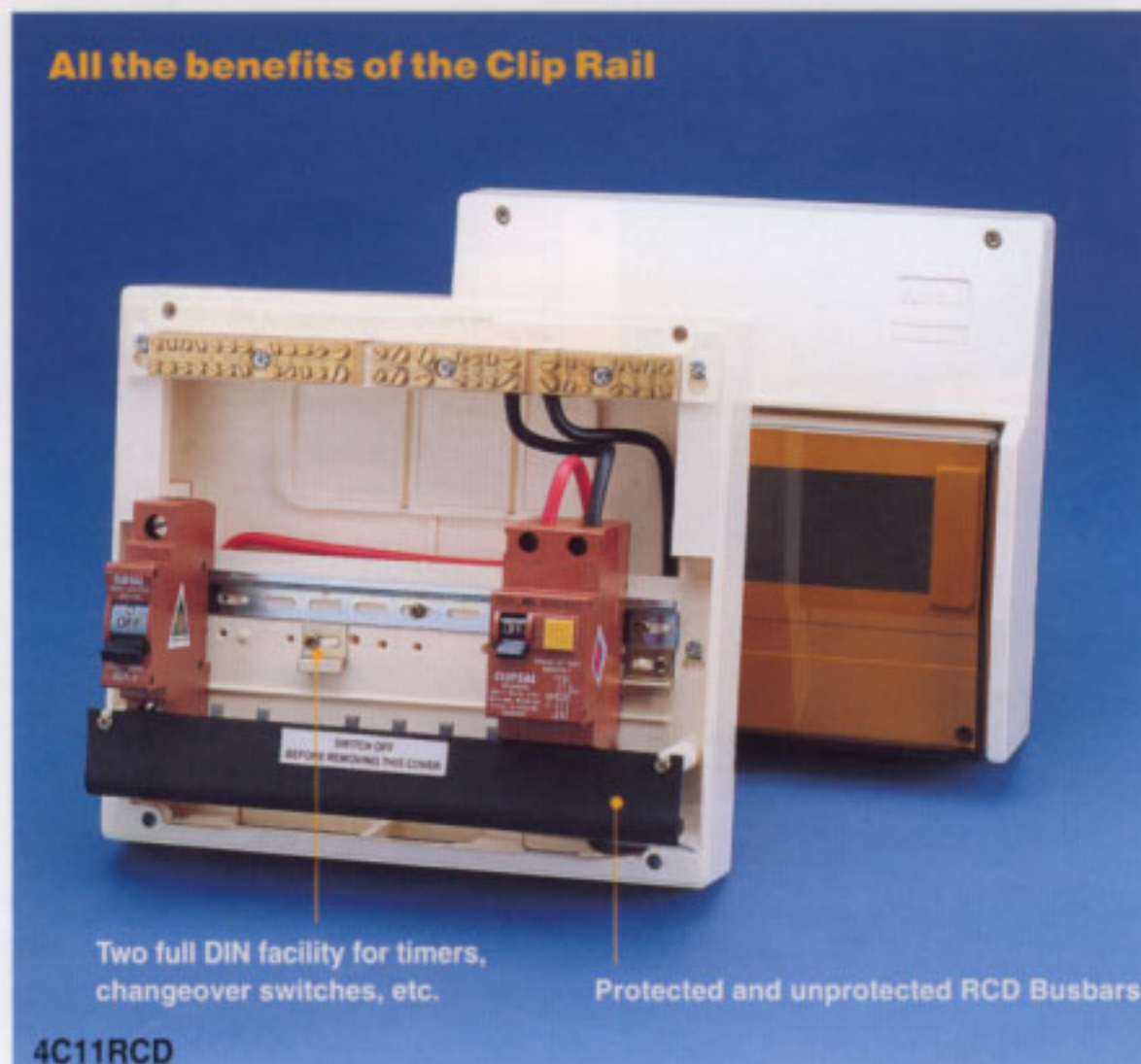
Permanently fixed busbar - just drop circuit breaker into clip rail and terminate



Two full DIN facility for timers, changeover switches, etc.

4C11CR

All the benefits of the Clip Rail



Two full DIN facility for timers, changeover switches, etc.

Protected and unprotected RCD Busbars

4C11RCD

4C/4P Range RCD






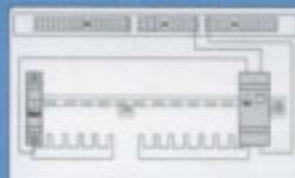
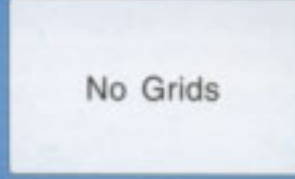
Plastic Deluxe Surface Mounting Consumer Switchboards

Each Switchboard in this range includes all of the time saving devices listed above, with the addition of a pre-wired and connected RCD device.

This saves the installer valuable time in ordering and installation.

Features

- All the benefits of the full DIN Rail
- Pre-wired and connected 40A 30mA residual current device. Simply drop circuit breakers onto protected clip rail and terminate
- Pre-connected isolator (80A). Just terminate submain. Saves you ordering and installation time. Large size terminal bore for installation up to 35mm²

Model Description & Diagram	Cat. No.	Description	Colour Available	80A Main Switch	Number of 18mm Modules			Earth Bar	Neutral Bar	RCD Neutral
					Total	Clip Rail	Full DIN			
			WE White CM Cream					TunnelMax. Cables	TunnelMax. Cables	TunnelMax. Cables
Clipsal Terracotta / Wilco RCD Moulded Enclosures  4C4	4C2	2.5 Module RCD No Base	WE	-	25	-	-	-	-	-
	4C3	3 Module RCD No Base	WE	-	3	-	-	-	-	-
	4C4	4 Module RCD No Base	WE	-	4	-	-	-	-	-
	4C4B	4 Module RCD Including Base	WE	-	4	-	-	-	-	-
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers and accessories  4C17FD	4C6FD	Full DIN, Grids, Pole Fillers & 6 Pole Busbar	CM, WE	-	6	-	6	3x35mm ²	1x35mm ² 7x10mm ²	-
	4C11FD	Full DIN, Grids, Pole Fillers & 11 Pole Busbar	CM, WE	-	11	-	11	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4C17FD	Full DIN, Grids, Pole Fillers & 14 Pole Busbar	CM, WE	-	17	-	17	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
	4C24FD	Full DIN, Grids, Pole Fillers & 2 x 12 Pole Busbar	CM, WE	-	24	-	24	1x35mm ² 24x10mm ²	3x35mm ² 12x10mm ²	2x35mm ² 12x10mm ²
Clip Rail Consumer Switchboards, for Clipsal 3, 6 & 8kA Circuit Breakers only  4C17CR	4C6CR	Clip Rail, Grids & Pole Fillers	CM, WE	-	6	6	-	3x35mm ²	1x35mm ² 7x10mm ²	-
	4C11CR	Clip Rail, Grids & Pole Fillers	CM, WE	Yes	11	8	2	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4C17CR	Clip Rail, Grids & Pole Fillers	CM, WE	Yes	17	14	2	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
Clip Rail Consumer Switchboards, for Clipsal 4.5, & 10kA Circuit Breakers only  4P17CR	4P6CR	Clip Rail, Grids Pole Fillers	WE	-	6	6	-	3x35mm ²	1x35mm ² 7x10mm ²	-
	4P11CR	Clip Rail, Grids & Pole Fillers	WE	Yes	11	8	2	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4P17CR	Clip Rail, Grids & Pole Fillers	WE	Yes	17	14	2	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
RCD Protected Consumer Switchboards, for Clipsal 3, 6 & 8kA Circuit Breakers only  4C17RCD	4C11RCD	Clip Rail, Grids, RCD & Pole Fillers	CM, WE	Yes	11	4RCD 2	2	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4C17RCD	Clip Rail, Grids, RCD & Pole Fillers	CM, WE	Yes	17	7RCD 5	2	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
RCD Protected Consumer Switchboards, for Clipsal 4.5, & 10kA Circuit Breakers only  4P17RCD	4P11RCD	Clip Rail, Grids, RCD & Pole Fillers	WE	Yes	11	4RCD 2	2	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4P17RCD	Clip Rail, Grids, RCD & Pole Fillers	WE	Yes	17	7RCD 5	2	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
Moulded Enclosures, no Mounting Grids supplied  4C17	4C6	No Grids, Pole Fillers	CM, WE	-	6	-	-	Note: Suitable Grids may be purchased separately- 4C6 - 4C6FDG, 4C6CRG 4C11 - 4C11FDG, 4C11EBG, 4C11CRG, 4C11RCDG 4C17 - 4C17FDG, 4C17EBG, 4C17CRG, 4C11RCDG		
	4C11	No Grids, Pole Fillers	CM, WE	-	11	-	-			
	4C17	No grids, Pole Fillers	CM, WE	-	17	-	-			

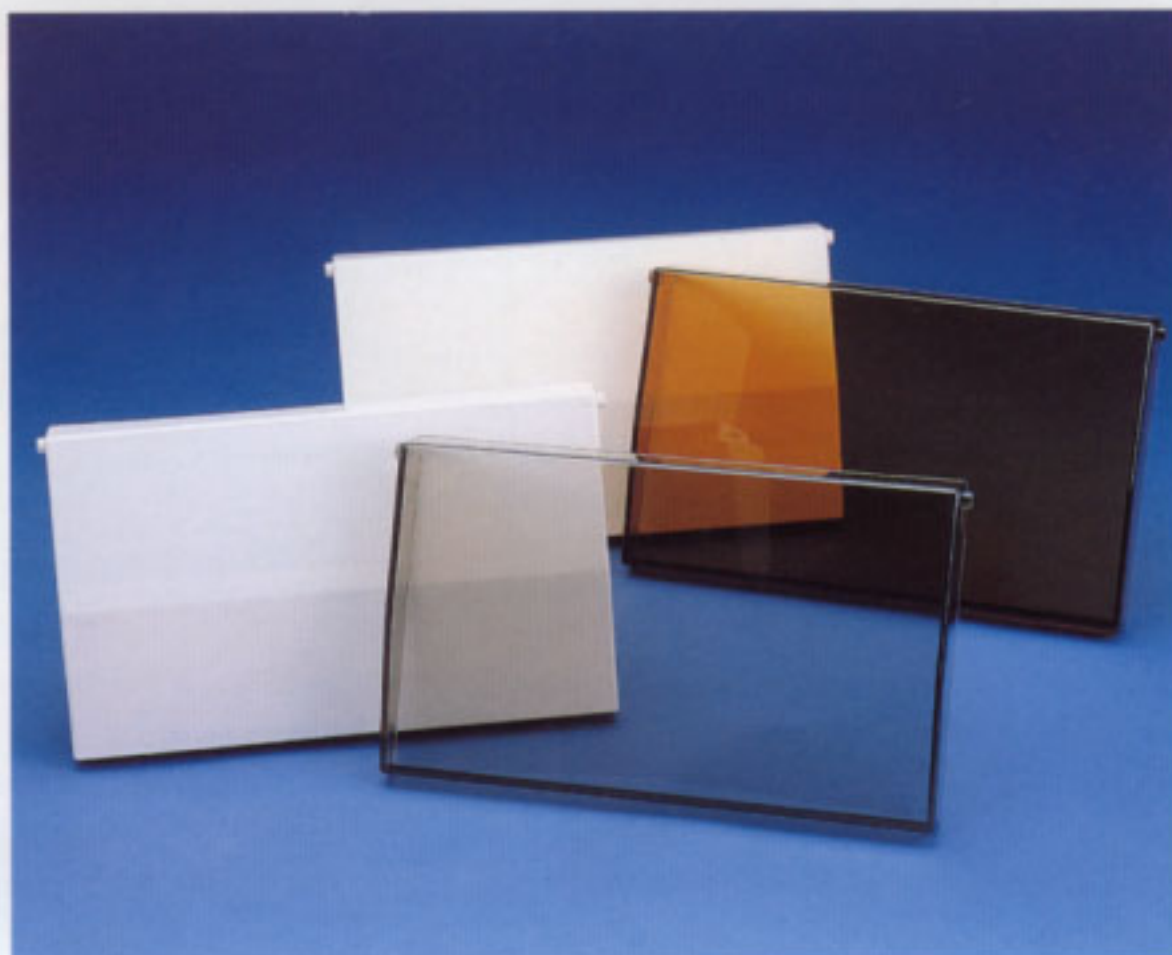
Accessories

The 4C/4P Series includes numerous accessories, such as a flushing kit, mounting block and multi-coloured Consumer Switchboard lids.

The 4C6, 4C11 and 4C17 Moulded Enclosures are modular in design, and can accommodate different grids such as full DIN, Clip Rails etc. depending on the application. These rails are detailed in the accessories chart to the right.

Accessories	
4C24FK	Flushing Kit - to suit 4C24FD Consumer Switchboard
4C11MB	Mounting Block - to suit 4C11 Consumer Switchboard
Grids - for 3, 6 & 8kA Clipsal Circuit Breakers	
4C6FDG	Full DIN Rail, 6 Pole Busbar, Neutral & Earth Bars for 4C6 Moulded Enclosures
4C6CRG	Clip Rail, 6 Pole Busbar, Neutral & Earth Bars for 4C6 Moulded Enclosures
4C11FDG	Full DIN Rail, 11 Pole Busbar, Neutral & Earth Bars for 4C11 Moulded Enclosures
4C11CRG	Clip Rail, 8 Pole Busbar, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C11 Moulded Enclosures
4C11EBG	Clip Rail, to suit 4 x 4EBE MCB/RCD, 1 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C11 Moulded Enclosures
4C11RCD	Clip Rail, 4 RCD Protected Poles, 2 Unprotected Poles, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C11 Moulded Enclosures
4C17FDG	Full DIN Rail, 14 Pole Busbar, Neutral & Earth Bars for 4C17 Moulded Enclosures
4C17CRG	Clip Rail, 14 Pole Busbar, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C17 Moulded Enclosures
4C17EBG	Clip Rail, to suit 4 x 4EBE MCB/RCD, 7 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C17 Moulded Enclosures
4C17RCD	Clip Rail, 7 RCD Protected Poles, 5 Unprotected Poles, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4C17 Moulded Enclosures
4GCR17	Clip Rail, 14 Pole Busbar, 2 Pole Full DIN only

Accessories	
Consumer Switchboard Lids	
4C6L-TB	To suit 4C6 - Transparent Beige
4C6L-TG	To suit 4C6 - Transparent Grey
4C6L-CM	To suit 4C6 - Cream
4C6L-WE	To suit 4C6 - White
4C11L-TB	To suit 4C11 Transparent Beige
4C11L-TG	To suit 4C11 Transparent Grey
4C11L-CM	To suit 4C11 - Cream
4C11L-WE	To suit 4C11 - White
4C17L-TB	To suit 4C17 Transparent Beige
4C17L-TG	To suit 4C17 Transparent Grey
4C17L-CM	To suit 4C17 - Cream
4C17L-WE	To suit 4C17 - White



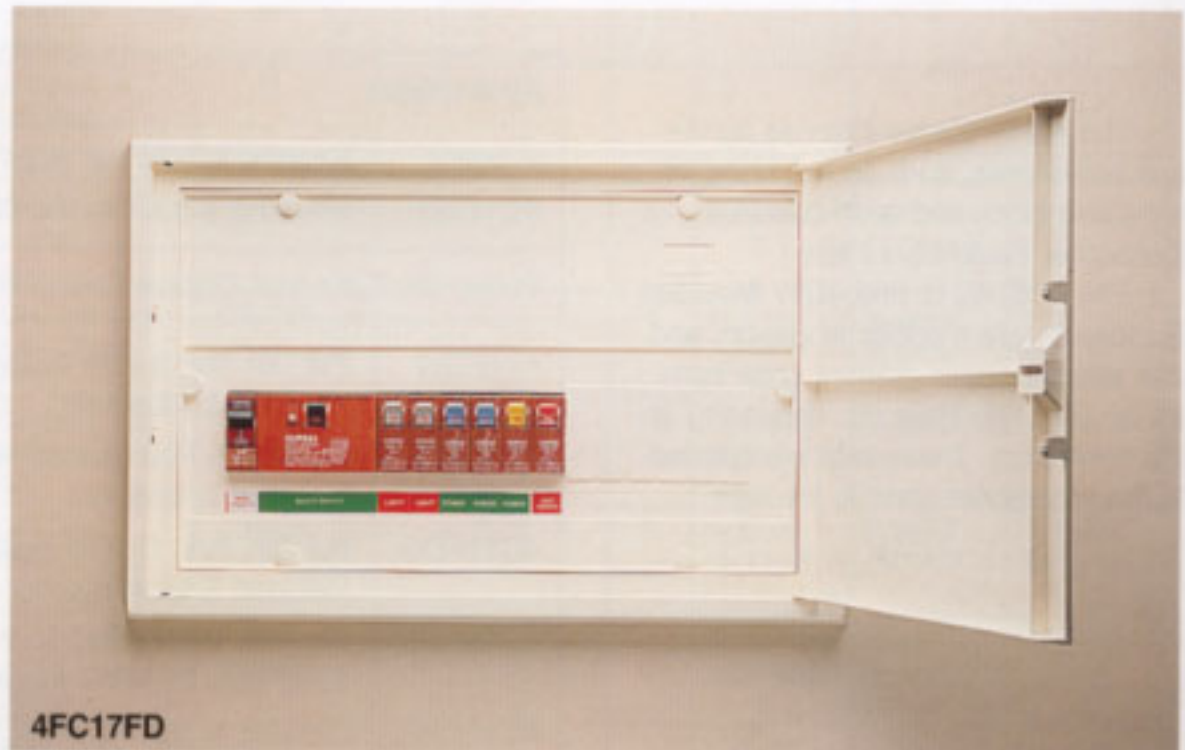
4FC SERIES PLASTIC DELUXE FLUSH MOUNTING CONSUMER SWITCHBOARDS

As with the surface mounted 4C Series, the 4FC Series flush mounting enclosures have been designed for speedy wiring, accessory mounting and ease of installation. All features are designed to substantially benefit the contractor.

The wall box is solidly constructed, zinc plated steel for maximum corrosion resistance and suit plaster, concrete or timber framed installation.

Features

- Available in Cream or White to suit every decor
- Numerous cable entries and mounting points
- Comprehensive range of legend stickers
- Loose busbar supplied with full DIN models
- Generous earth and split neutral bars are provided and located for ease of wiring. Large size MEN terminal provided for termination of cables up to 35mm²



4FC17FD

Door left or right hand hinged to suit every application


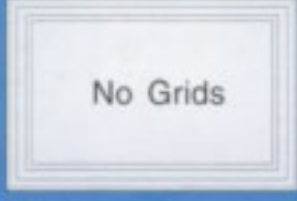
Zinc plated for maximum corrosion resistance and suits brick, plaster, concrete and timber framed installations



Shatter resistant aesthetically pleasing plain door

Generous wiring room

4FC11FD

Diagrams	Cat. No.	Description	Colour Available	Number of 18mm Modules			Earth Bar	Neutral Bar	RCD Neutral
				Total	Clip Rail	Full DIN			
			WE White CM Cream				TunnelMax Cables	TunnelMax Cables	TunnelMax Cables
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4FC17FD	4FC11FD	Flush, Full DIN, Pole Fillers Grids and 11 Pole Busbar	CM, WE	11	-	11	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²
	4FC17FD	Flush, Full DIN, Pole Fillers Grids and 14 Pole Busbar	CM, WE	17	-	17	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²
Moulded Enclosures, no Mounting Grid supplied (LB no Wallbox)  4FC17	4FC11	No Grids. Pole Fillers & Wallbox supplied	CM, WE	11	-	-	Note: Suitable Grids and Wallboxes may be purchased separately- 4FC11 & 4FC11LB - 4C11FDG, 4C11EBG, 4C11CRG, 4C11RCDG 4FC17 & 4FC17LB - 4C17FDG, 4C17EBG, 4C17CRG, 4C17RCDG Wallboxes - 4FC11WB, 4FC17WB		
	4FC17	No Grids. Pole Fillers & Wallbox supplied	CM, WE	17	-	-			
	4FC11LB	No Grids or Wallbox. Pole Fillers supplied	CM, WE	11	-	-			
	4FC17LB	No Grids or Wallbox. Pole Fillers supplied	CM, WE	17	-	-			

Accessories

The 4FC Series includes a mounting spacer flange for applications where the wall cavity depth is limited.

The 4FC11 and 4FC17 Moulded Enclosures are modular in design, and can accommodate different grids such as full DIN, Clip Rails etc. depending on the application.

Accessories	
4FC11WB	Wallbox for 4FC11 Moulded Enclosure
4FC17WB	Wallbox for 4FC17 Moulded Enclosure
4FC11SF	Mounting Spacer Flange for 4FC11 Moulded Enclosures (14mm off fixing surface)
Grids - for 3, 6 & 8kA Clipsal Circuit Breakers	
4C11FDG	Full DIN Rail, 11 Pole Busbar, Neutral & Earth Bars for 4FC11 Moulded Enclosures
4C11CRG	Clip Rail, 8 Pole Busbar, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC11 Moulded Enclosures
4C11EBG	Clip Rail, to suit 4 x 4EBE MCB/RCD, 1 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC11 Moulded Enclosures
4C11RCDG	Clip Rail, 4 RCD Protected Poles, 2 Unprotected Poles, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC11 Moulded Enclosures
4C17FDG	Full DIN Rail, 14 Pole Busbar, Neutral & Earth Bars for 4FC17 Moulded Enclosures
4C17CRG	Clip Rail, 14 Pole Busbar, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC17 Moulded Enclosures
4C17EBG	Clip Rail, to suit 4 x 4EBE MCB/RCD, 7 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC17 Moulded Enclosures
4C17RCDG	Clip Rail, 7 RCD Protected Poles, 5 Unprotected Poles, 2 Pole Full DIN, Main Switch, Neutral & Earth Bars for 4FC17 Moulded Enclosures

**4CC SERIES
PLASTIC
ECONOMICAL
SURFACE MOUNTING
CONSUMER
SWITCHBOARDS**

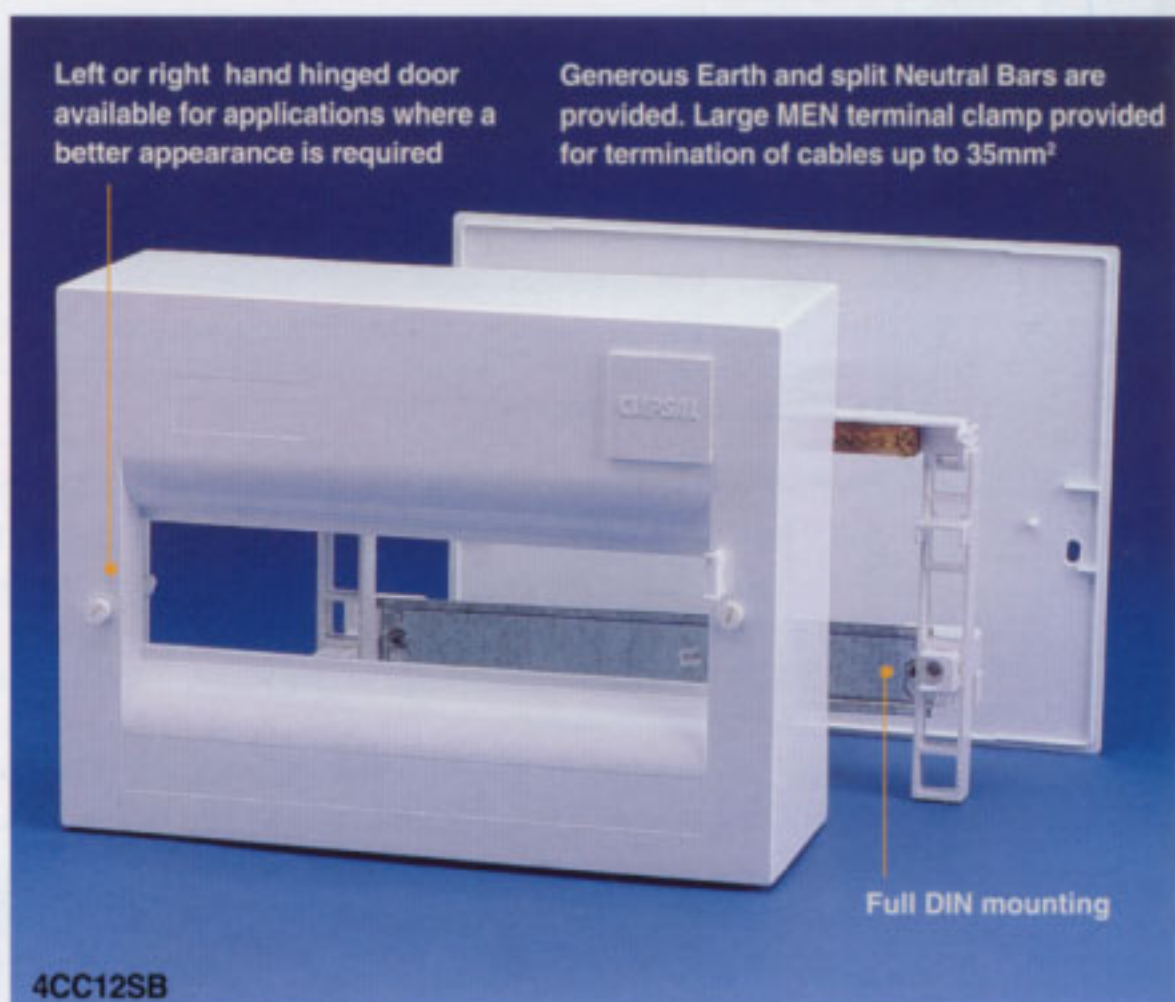
Available side or back wired these economical switchboards are ideal for modifying existing panel type switchboards. All switchboards come complete with 35mm DIN mounting base and can handle 18mm wide mains isolators, DIN mounted accessories, residual current devices, circuit breakers and combination RCD/MCB circuit breakers. A full set of pole fillers are provided with each enclosure. The switchboards are double insulated allowing installation onto metal surfaces.






Safety is an important feature in all Clipsal designs and our 4CC Series is no exception, featuring double insulated, impact resistant mouldings.

Designed to give generous wiring room for incoming cables, the 4CC Series is an economical switchboard for use in most applications.

Features

- Front or back wired with ample cutouts for every application
- Double insulated for operator safety
- Comprehensive range of legend stickers



Diagrams	Cat. No.	Description	Colour Available	Number of 18mm Modules			Earth Bar	Neutral Bar	RCD Neutral	Flush Kit
				Total	Clip Rail	Full DIN				
			WE White CM Cream				TunnelMax. Cables	TunnelMax. Cables	TunnelMax. Cables	
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4CC4N	4CC1	DIN	WE	1	-	1	-	-	-	-
	4CC2	DIN	WE	2	-	2	-	-	-	-
	4CC3	DIN, Pole Fillers	WE	3	-	3	-	-	-	-
	4CC4	DIN, Pole Fillers	WE	4	-	4	-	-	-	-
	4CC4N	DIN, Pole Fillers Neutral	WE	4	-	4	-	6 x 16mm ² 2H	-	-
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4CC6	4CC6	DIN, Pole Fillers Neutral, Deep Base	CM, WE	6	-	6	1 x 35mm ² 1H	2 x 16mm ² 2H 6 x 6mm ² 1H	-	Yes
	4CC6HC	DIN, Pole Fillers Neutral, Earth Deep Base	CM, WE	6	-	6	1 x 25mm ² 2H 6 x 6mm ² 2H	2 x 16mm ² 2H 6 x 6mm ² 1H	-	Yes
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4CC6SBN	4CC6SB	DIN, Pole Fillers Shallow Base	CM, WE	6	-	6	-	-	-	-
	4CC6SBN	DIN, Pole Fillers Shallow Base Neutral	CM, WE	6	-	6	1 x 35mm ² 1H	2 x 16mm ² 2H 6 x 6mm ² 1H	-	-
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4CC11	4CC9	DIN, Pole Fillers Neutral 9 Pole Busbar	CM, WE	9	-	9	1 x 35mm ² 1H	3 x 16mm ² 2H 7 x 6mm ² 1H	-	-
	4CC11	DIN, Pole Fillers Neutral, Earth 11 Pole Busbar	WE	11	-	11	1 x 10mm ² 2H 11 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 2 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	-
	4CC17	DIN, Pole Fillers Neutral, Earth 14 Pole Busbar	WE	17	-	17	2 x 10mm ² 2H 17 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	-
Full DIN Rail Consumer Switchboards, for most commercial Circuit Breakers & accessories  4CC12SB	4CC12SB	DIN, Pole Fillers Neutral, Earth Shallow Base	WE	11	-	11	1 x 10mm ² 2H 10 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 2 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	-
	4CC24SB	DIN, Pole Fillers Neutral, Earth Shallow Base	WE	24	-	24	2 x 10mm ² 2H 17 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 2 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H 2 x 10mm ² 2H 5 x 10mm ² 1H	-
	4CC36SB	DIN, Pole Fillers Neutral, Earth Shallow Base	WE	36	-	36	2 x 10mm ² 2H 24 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H 2 x 10mm ² 2H 5 x 10mm ² 1H	-

Accessories

The 4CC Series includes numerous accessories, such as a flushing kit, mounting block and consumer switchboard lids.

Accessories		
4CC6FK-CM	Flush Mounting conversion kit - to suit 4CC6 and 4CC6HC	Cream
4CC6FK-WE	Flush Mounting conversion kit - to suit 4CC6 and 4CC6HC	White
4CC6L-TB	Consumer Switchboard Lid - to suit 4CC6 & HC	Transparent Beige
4CC6L-TG	Consumer Switchboard Lid - to suit 4CC6 & HC	Transparent Grey
4CC6L-CM	Consumer Switchboard Lid - to suit 4CC6 & HC	Cream
4CC6L-WE	Consumer Switchboard Lid - to suit 4CC6 & HC	White
4CC12SBL	Consumer Switchboard Lid - to suit 4CC12	White
4CC24LSBL	Consumer Switchboard Lid - to suit 4CC24	White
4CC36LSBL	Consumer Switchboard Lid - to suit 4CC36	White
4CCISB	Sealing Lug - to suit 4CC1 to 4CC4 Enclosures	

4FCC SERIES PLASTIC ECONOMICAL FLUSH MOUNTING CONSUMER SWITCHBOARDS

Clipsal horizontal row economical recessed enclosures are now available. All switchboards come complete with 35mm DIN mounting base and can handle 18mm wide mains isolators,

DIN mounted accessories, residual current devices, circuit breakers and combination RCD/MCB circuit breakers. A full set of pole fillers is provided with each enclosure.

Features

- Full DIN mounting facility
- Ample wiring entries
- Generous earth and split neutral bars are provided and located for ease of wiring. Main neutral termination for cables up to 35mm²
- Comprehensive range of legend stickers



Diagram	Cat. No.	Description	Colour Available	Number of 18mm Modules			Earth Bar	Neutral Bar	RCD Neutral
				Total	Clip Rail	Full DIN			
			WE White CM Cream				TunnelMax Cables	TunnelMax Cables	TunnelMax Cables
<p>4FCC36</p>	4FCC12	DIN, Pole Fillers Neutral, Earth	WE	12	-	12	1 x 10mm ² 2H 10 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 2 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H
	4FCC24	DIN, Pole Fillers Neutral, Earth	WE	24	-	24	2 x 10mm ² 2H 17 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 2 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H 2 x 10mm ² 2H 5 x 10mm ² 1H
	4FCC36	DIN, Pole Fillers Neutral, Earth	WE	36	-	36	2 x 10mm ² 2H 24 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H	1 x 35mm ² Clamp 2 x 10mm ² 2H 7 x 10mm ² 1H 2 x 10mm ² 2H 5 x 10mm ² 1H

4CW/4FCW SERIES WEATHERPROOF/HOSE- PROOF PLASTIC DELUXE SURFACE & FLUSH MOUNTING CONSUMER SWITCHBOARDS

Clipsal have several weatherproof and hoseproof enclosures to prevent ingress of dust and water.

The IP34 rated enclosures are ideal for damp areas such as laundries and kitchens where AS3000 calls for a higher rating. Our IP56 enclosures offer the highest protection and are therefore even suitable in wash down areas.

Features

- Quality numbered split Neutral and Earth Bars supplied. All feature large cable bores and two terminals per tunnel
- More than ample cable entries and mounting points
- Comprehensive range of legend stickers
- Loose bus bar supplied with every enclosure

Note:

4CW11FD, 4FCW11FD & 4FCW17FD are compatible with grids shown in the accessory table on page 7. IP Rating reference chart at rear of catalogue.

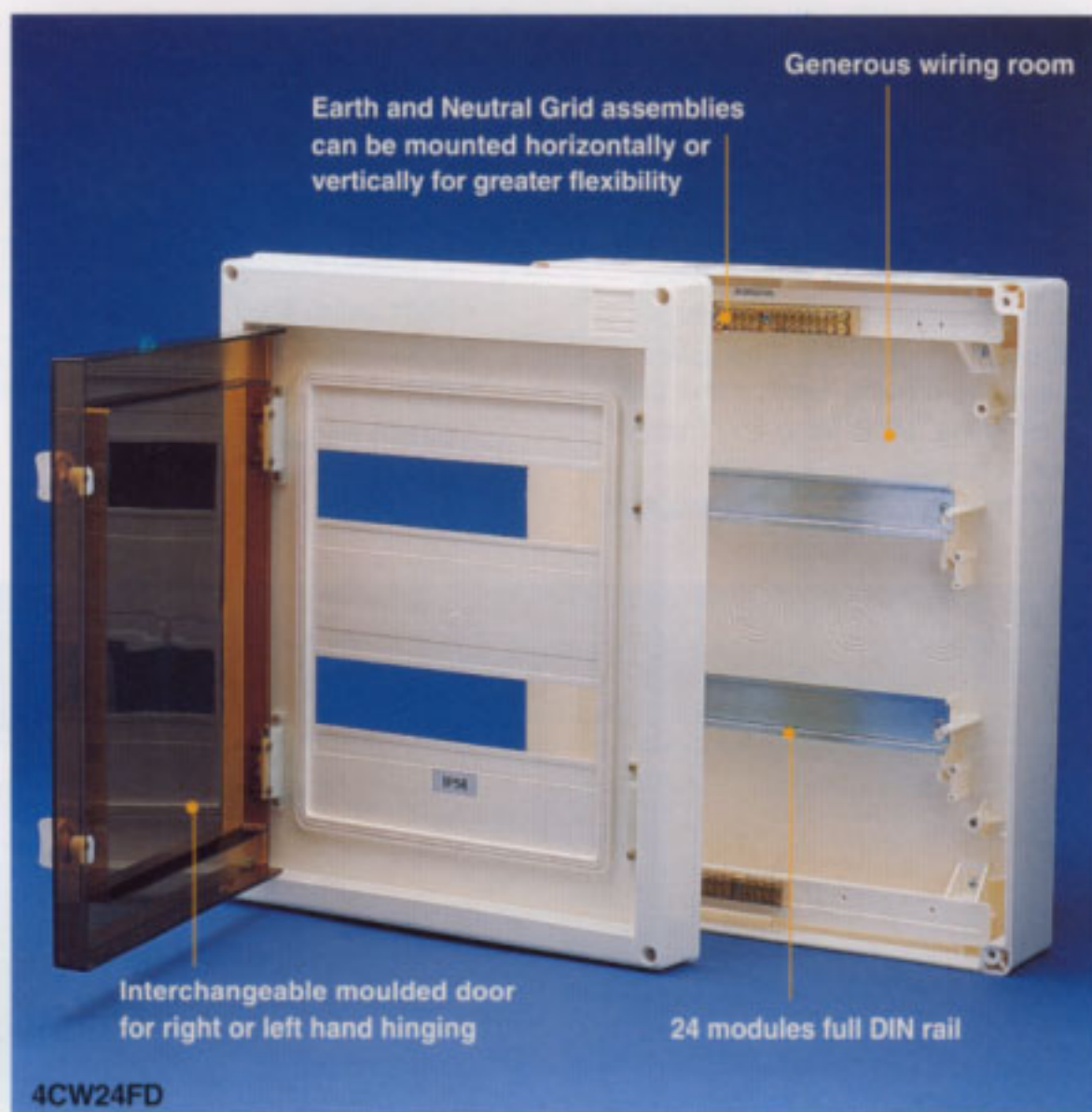




Diagram	Cat. No.	Description	Colour Available	Number of 18mm Modules			Earth Bar	Neutral Bar	RCD Neutral	IP Rating
				Total	Clip Rail	Full DIN				
 4CW24FD	4CW11FD	Surface, Full DIN Pole Fillers, Grids and 11 Pole Busbar	CM, WE	11	-	11	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²	IP34
	4CW24FD	Surface, Full DIN Pole Fillers, Grids & 2x12 Pole Busbar	CM, WE	24	-	24	1x35mm ² 24x10mm ²	3x35mm ² 12x10mm ²	2x35mm ² 12x10mm ²	IP56
 4FCW11FD	4FCW11FD	Flush, Full DIN Pole Fillers, Grids and 11 Pole Busbar	CM, WE	11	-	11	1x35mm ² 11x10mm ²	3x35mm ² 4x10mm ²	1x35mm ² 6x10mm ²	IP34
	4FCW17FD	Flush, Full DIN Pole Fillers, Grids and 14 Pole Busbar	CM, WE	17	-	17	1x35mm ² 17x10mm ²	3x35mm ² 7x10mm ²	1x35mm ² 12x10mm ²	IP34

Available late 1997

4C/4P SERIES METAL DELUXE SURFACE MOUNTING CONSUMER SWITCHBOARDS

For single and three phase commercial or large domestic applications the metal consumer range is ideal. Mounting points cater for up to 8mm fixings and each unit is provided with ample knockouts for quick and easy installation.

All boards are made from rugged 1.2mm zinc annealed steel construction and powder coated beige for unobtrusive good looks. Enclosures include a removable fascia panel that makes wiring, MCB fitting and maintenance a breeze.

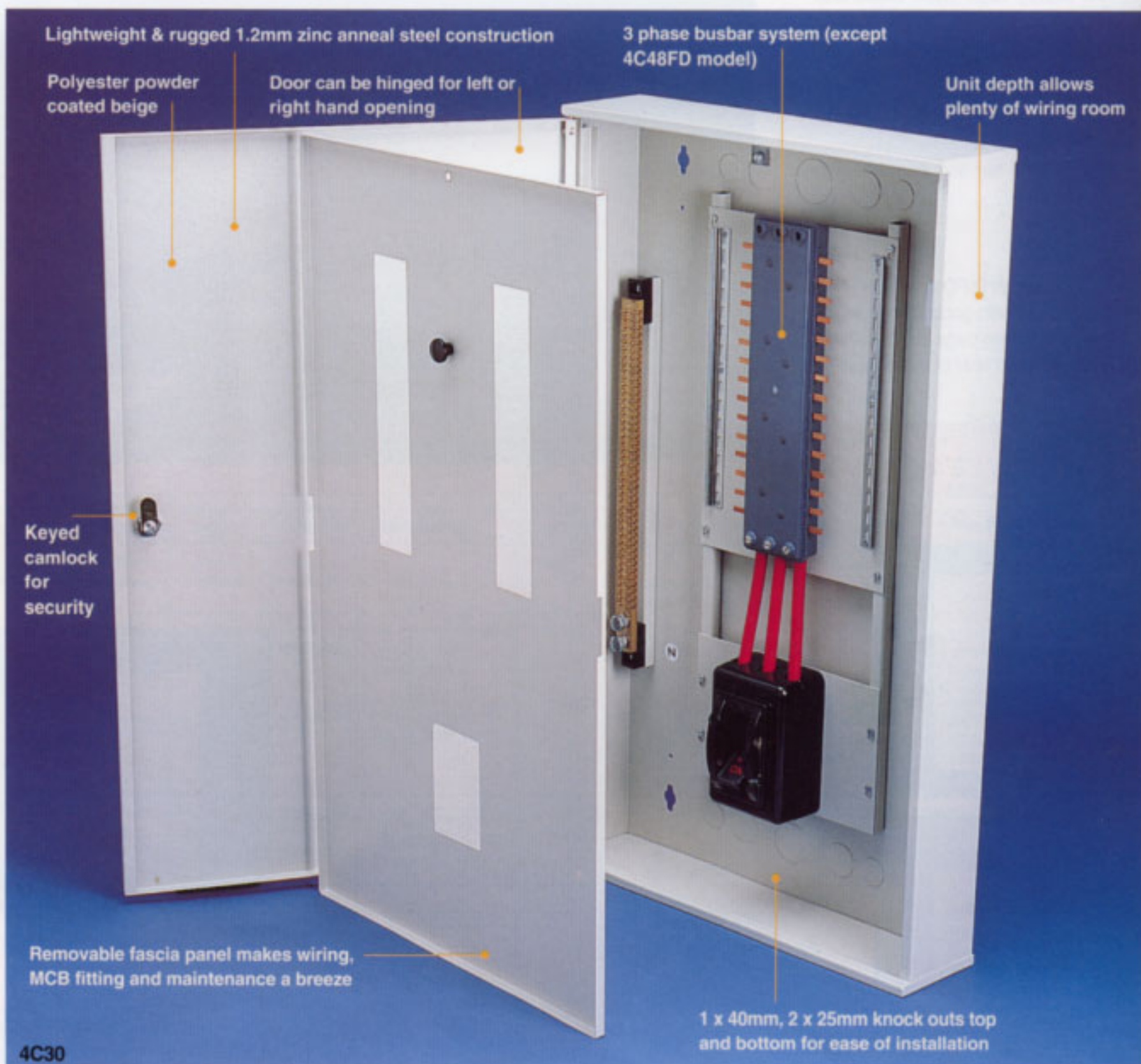
80 and 150 Amp. Models available.

Features

- Up to 42 hole neutral bar and 42 hole earth bar provided and located for ease of wiring and grid assembly
- Busbar and main switch assemblies interchangeable (to suit top or bottom cable entry)
- Main switch fitted as standard (except 4C48FD model)
- Slotted mounting holes for 8mm (5/16") fixings



4C48FD



Lightweight & rugged 1.2mm zinc anneal steel construction

Polyester powder coated beige

Door can be hinged for left or right hand opening

3 phase busbar system (except 4C48FD model)

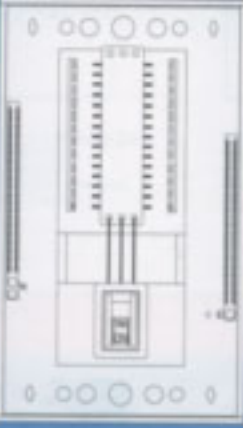
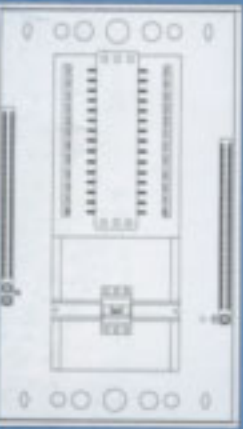
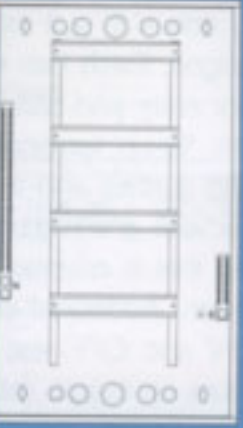
Unit depth allows plenty of wiring room

Keyed camlock for security

Removable fascia panel makes wiring, MCB fitting and maintenance a breeze

1 x 40mm, 2 x 25mm knock outs top and bottom for ease of installation

4C30

Diagram	Cat. No.	Description	Colour Available	Number of 18mm Modules			Earth Bar	Neutral Bar	Main Switch Size
				Total	Clip Rail	Full DIN			
Clip Rail Consumer Switchboard for Clipsal 3, 6, & 8kA Circuit Breakers  4C30	4C30	Clip Rail, 30 Pole 3 Phase Busbar, Pole Fillers & Legend	OM	30	30	-	1x9.4g Bolt 42x16mm ²	2x9.4g Bolt 42x16mm ²	150A 95mm ² Maximum
	4C41	Clip Rail, 30 Pole 3 Phase Busbar, Pole Fillers & Legend	OM	41	30	8	Line Tap 25mm ² 42x16mm ²	2 Line Taps 25mm ² 42x16mm ²	80A 25mm ² Maximum
	4C44	Clip Rail, 3 x 11 Pole Busbar Pole Fillers & Legend	OM	44	30	8	Line Tap 25mm ² 42x16mm ²	2 Line Taps 25mm ² 42x16mm ²	80A 25mm ² Maximum
Clip Rail Consumer Switchboard for Clipsal 4.5, & 10kA Circuit Breakers  4P41	4P30	Clip Rail, 30 Pole 3 Phase Busbar, Pole Fillers & Legend	OM	30	30	-	1x9.4g Bolt 42x16mm ²	2x9.4g Bolt 42x16mm ²	150A 95mm ² Maximum
	4P41	Clip Rail, 30 Pole 3 Phase Busbar, Pole Fillers & Legend	OM	41	30	8	Line Tap 25mm ² 42x16mm ²	2x Line Taps 25mm ² 42x16mm ²	80A 95mm ² Maximum
Full DIN Rail Consumer Switchboard for most commercial Circuit Breakers and accessories  4C48FD	4C48FD	Full DIN, Pole Fillers	OM	48	48	-	1x9.4g Bolt 12x16mm ²	1x9.4g Bolt 42x16mm ²	NO

Accessories

4C30FK	Flush mounting conversion kit - to suit 4C30 Series
4BB30K	150A 30 pole Busbar Chassis Assembly - to suit 3, 6 & 8kA Clipsal Circuit Breakers
4BB30P	150A 30 pole Busbar Chassis Assembly - to suit 4.5 & 10kA Clipsal Circuit Breakers

4 SERIES SUNDRY PARTS

These sundry parts can be used with any 4 Series enclosure.

4 Series Sundry Parts	
4F1	Half Module wide Filler for Enclosures
4P8	8 Module wide Filler Strip for Enclosures

4 SERIES POWER RANGE

4 SERIES power range



Refer to separate Technical Catalogue on 4 Series Power Range for further details

4CB120/10



To complement the 4 Series Consumer Switchboard Range, Clipsal introduces the 4 Series Power Range, with everything you need for your domestic, commercial or industrial switchboard requirements.

Included in the Power Range are MCBs, RCDs, MCB/RCD combinations, isolating switches, changeover switches and busbar systems. A huge variety of accessories are also available to complement the range, including auxiliary contacts, shunt trip and voltage protection devices, push-buttons, audio and visual signalling devices, timers, relays, contactors, counters and transformers.

The Power Range can cater for all applications, with MCBs available from 1 to 125 amps, RCDs in 2 and 4 pole versions from 25 to 100 amps, and MCB/RCD combinations in 2 pole versions from 10 to 40 amps.

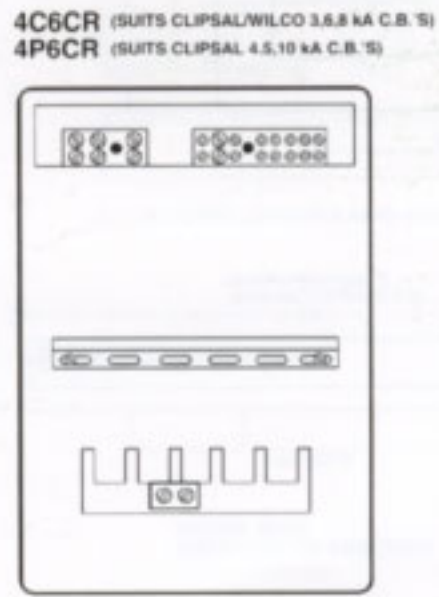
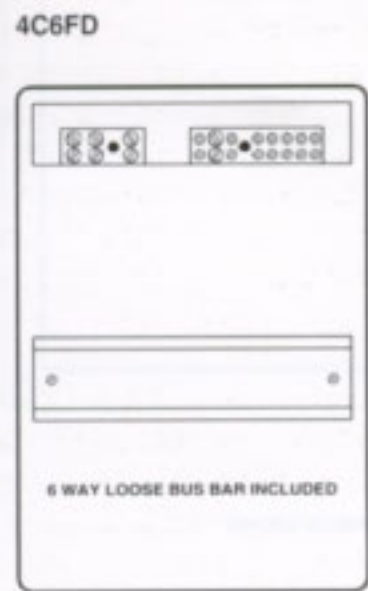
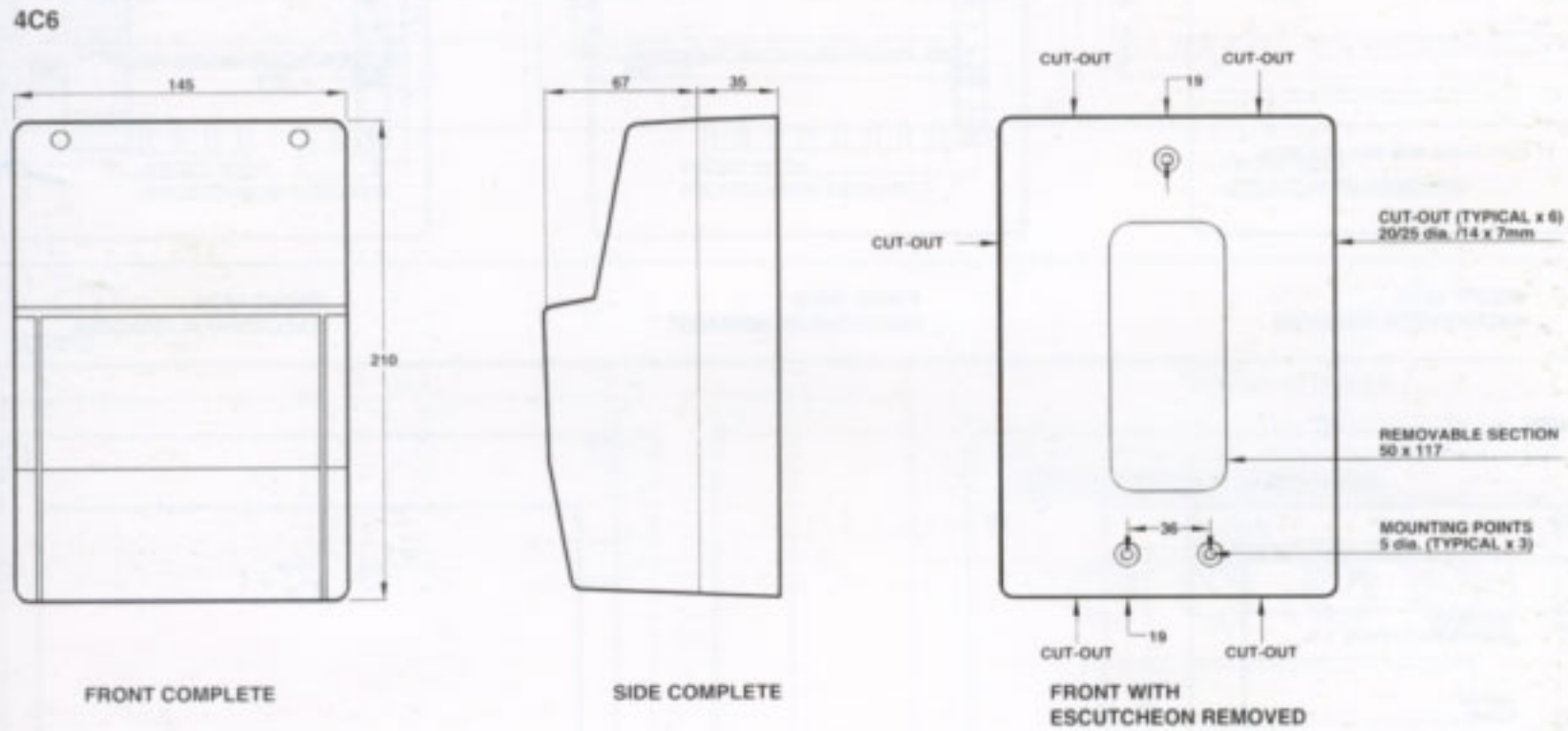
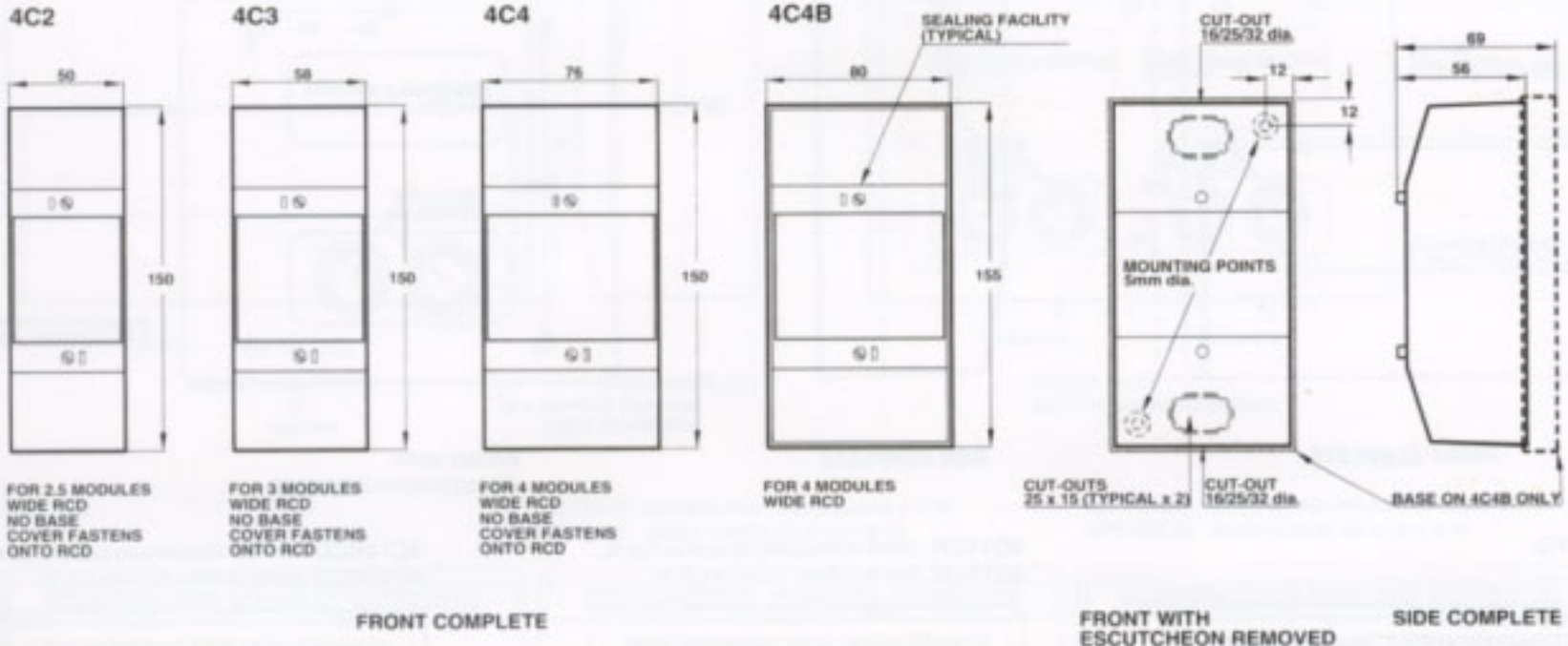
4TCD



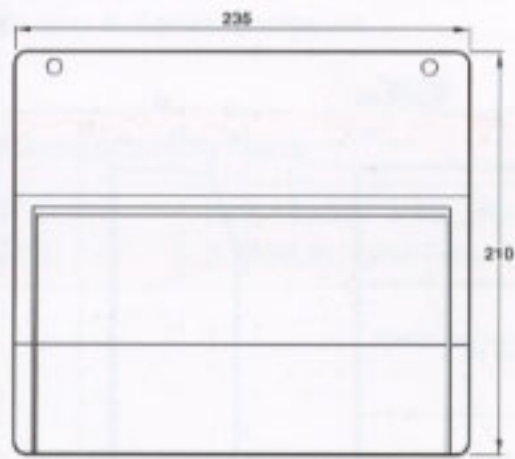
Housing for all mainstream devices is of sturdy, self-extinguishing material in a neutral grey colour to suit most switchboard designs. Each has colour coded toggles for easy and safe amp-size identification, 'lift-up' terminals with combination head screws and a status indicator window with a red/green colour coded flag that is coupled to the contact mechanism. Additional safety is provided with 'ON' and 'OFF' text in contrasting colours on toggle mechanisms.

All devices are for 35mm DIN rail mounting with a two position DIN clip of heavy duty moulded material. Where applicable, they are constructed to standard with provisions for quick, easy and safe field application of auxiliary contacts and shunt mechanisms. Locking mechanisms and sealing wires are also provided when required.

RCD INSULATING COVERS
 SUITS CLIPSAL 4EL AND WILCO RCD
 RESIDUAL CURRENT DEVICES



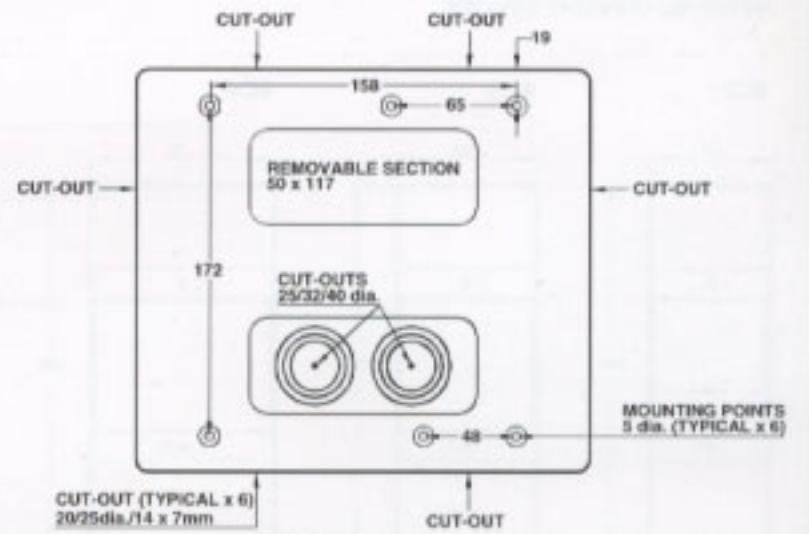
4C11



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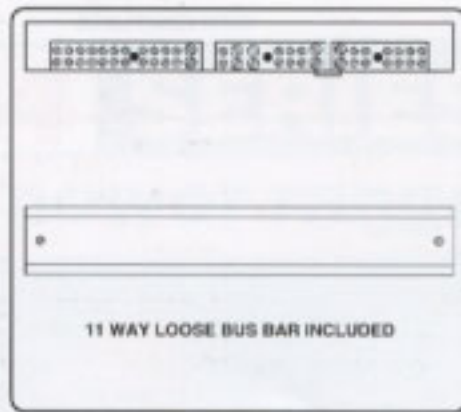


SIDE COMPLETE



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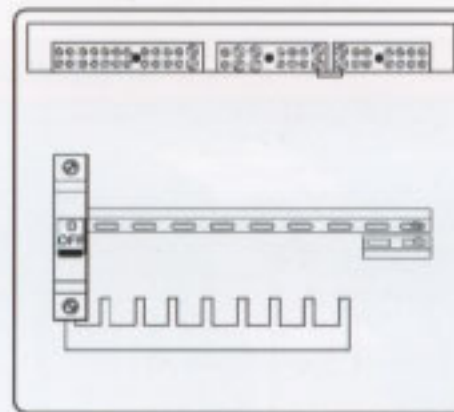
4C11FD



11 WAY LOOSE BUS BAR INCLUDED

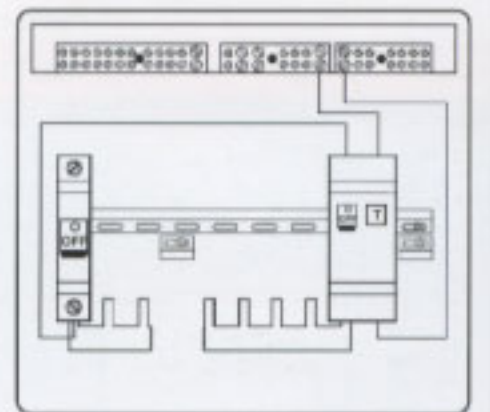
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4C11CR (SUITS CLIPSAL/WILCO 3,6,8 KA C.B.'S)
4P11CR (SUITS CLIPSAL 4,5,10 KA C.B.'S)



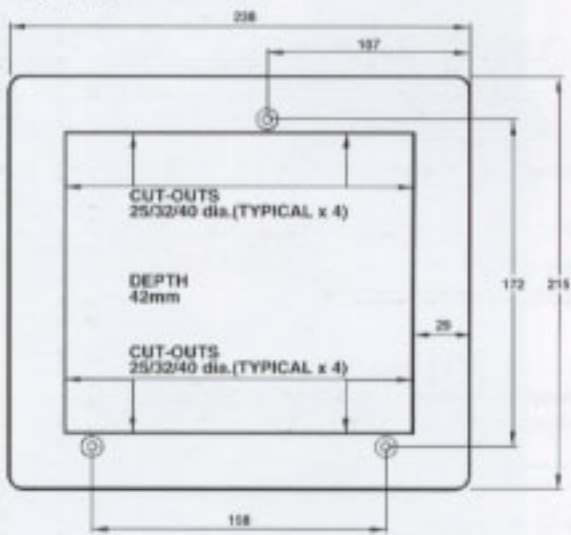
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4C11RCD (SUITS CLIPSAL/WILCO 3,6,8 KA C.B.'S)
4P11RCD (SUITS CLIPSAL 4,5,10 KA C.B.'S)

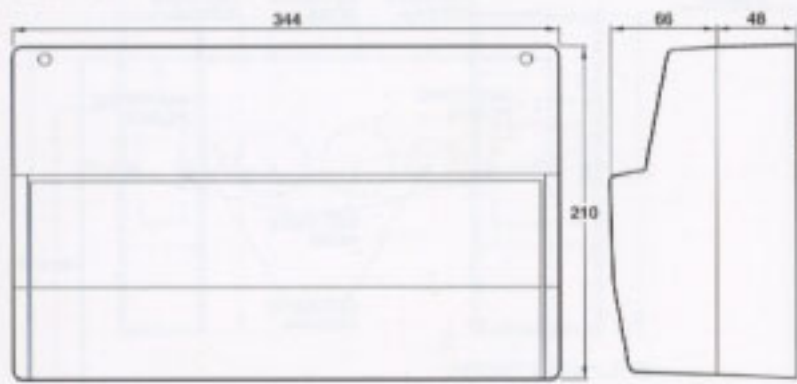


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4C11MB

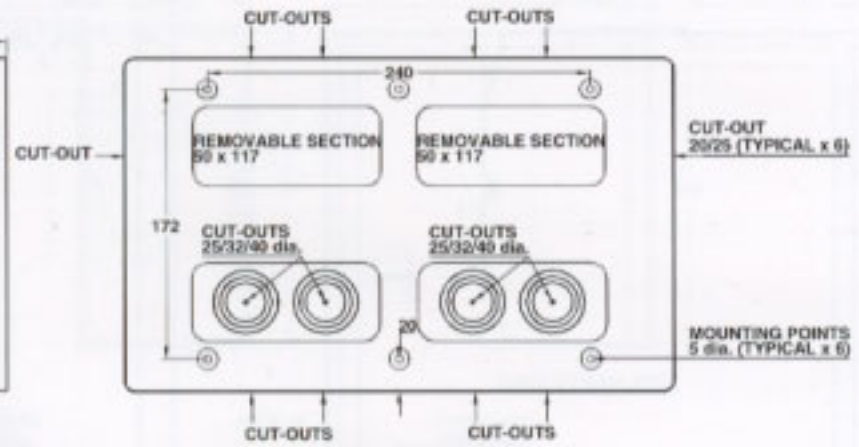


4C17



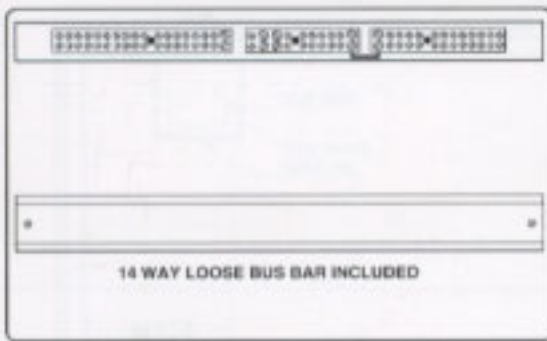
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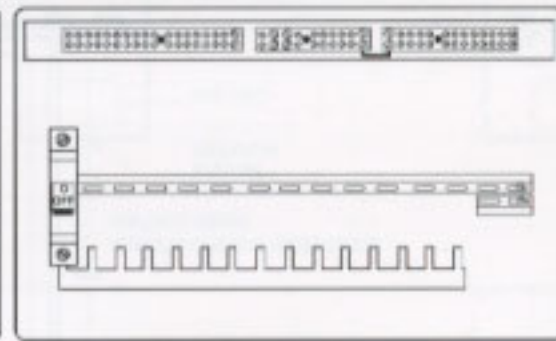
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4C17FD



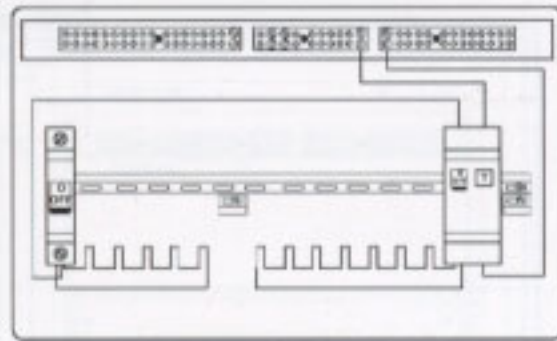
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4P17CR (SUITS CLIPSAL 4,5,10 KA C.B.'S)



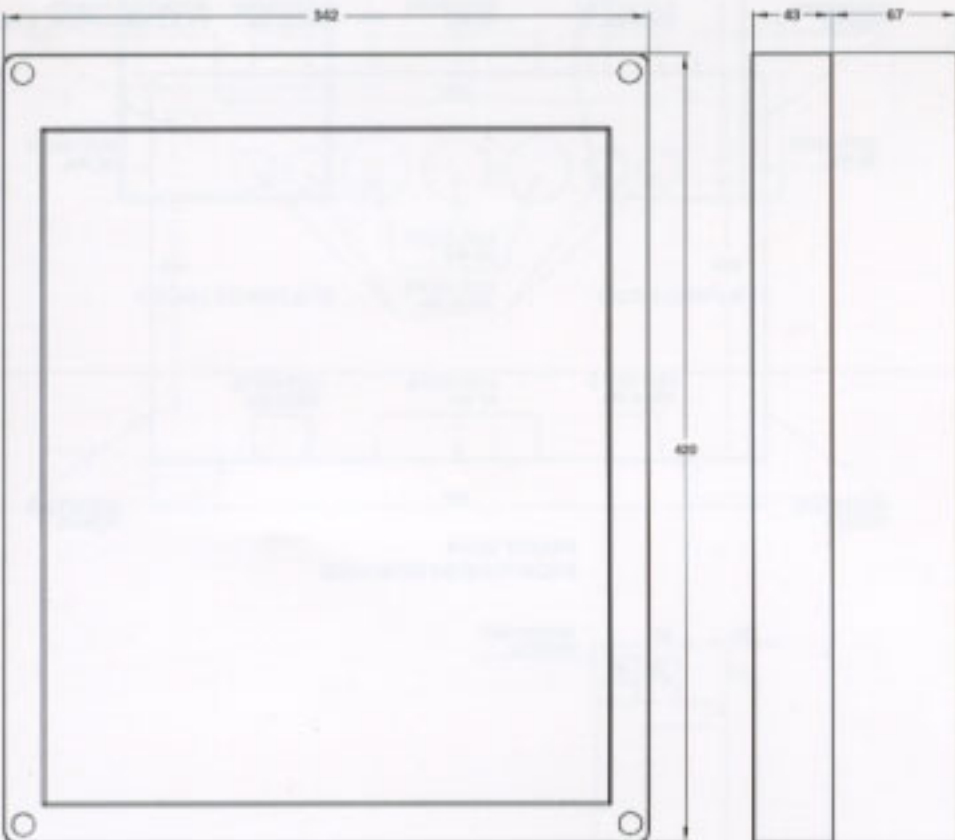
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4P17RCD (SUITS CLIPSAL 4,5,10 KA C.B.'S)



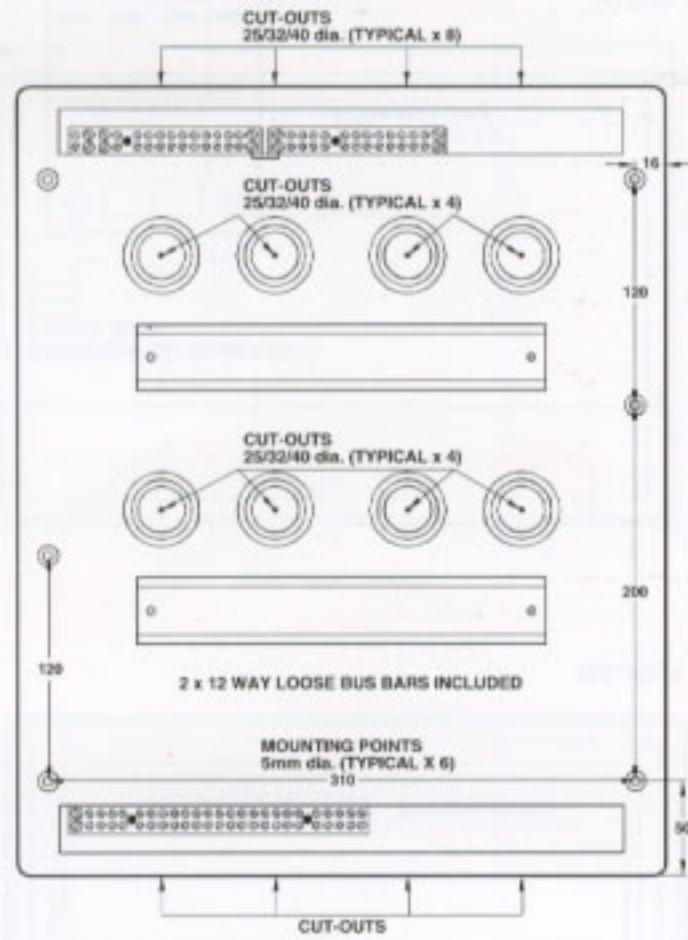
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4C24FD



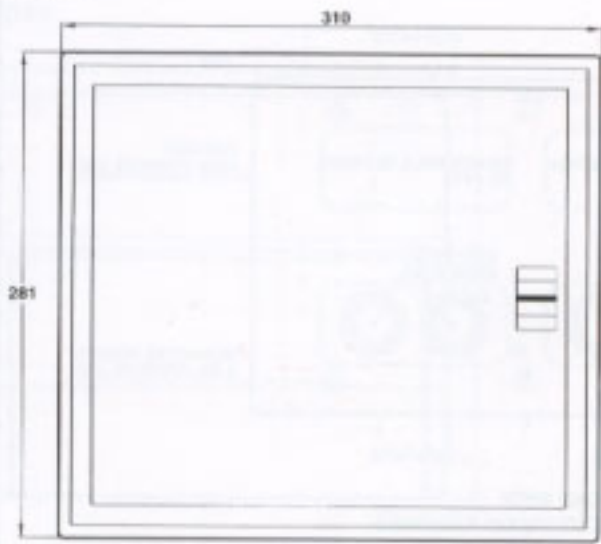
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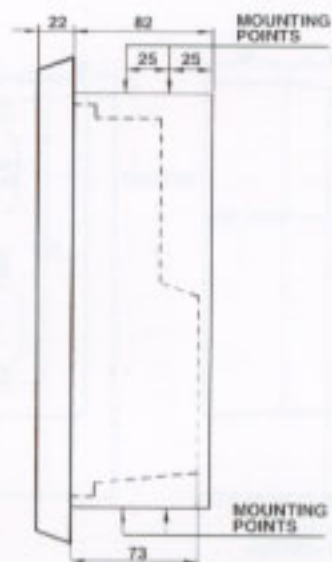


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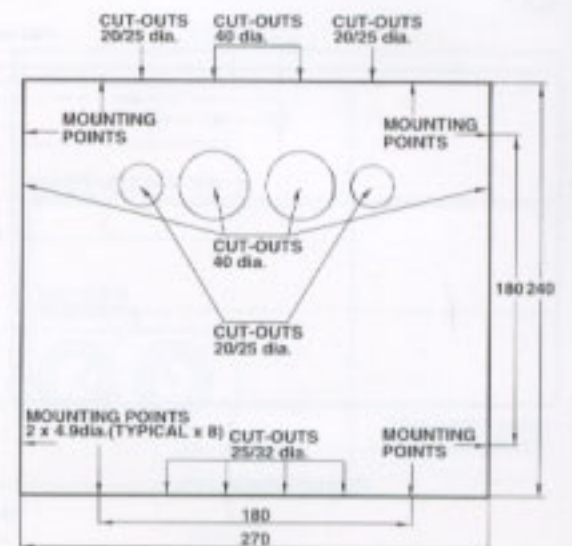
4FC11



FRONT COMPLETE



SIDE COMPLETE

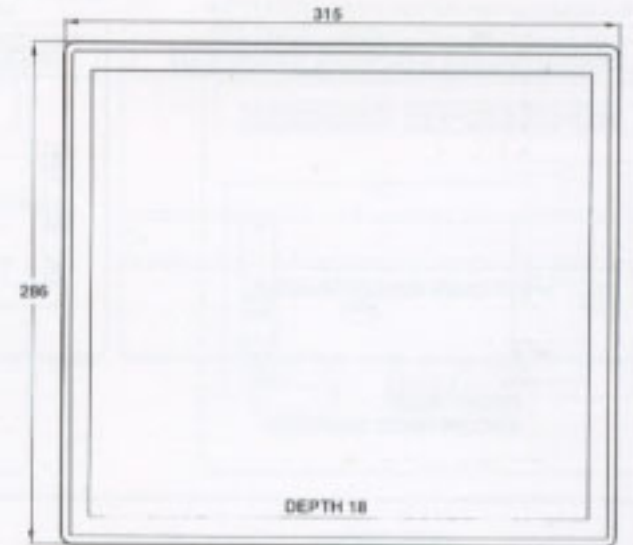


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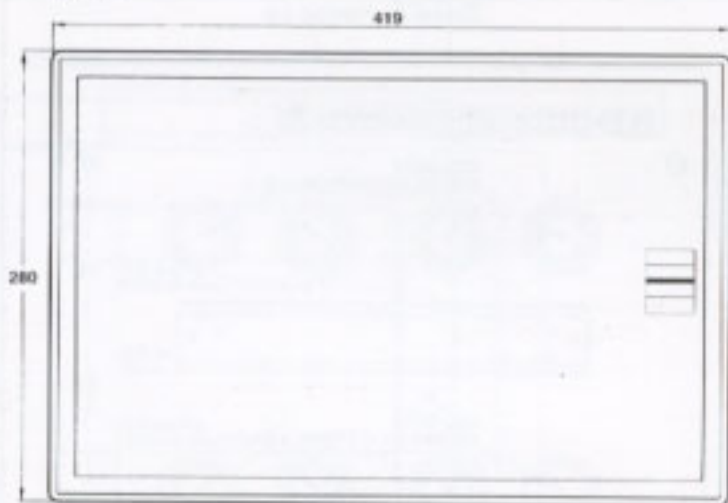
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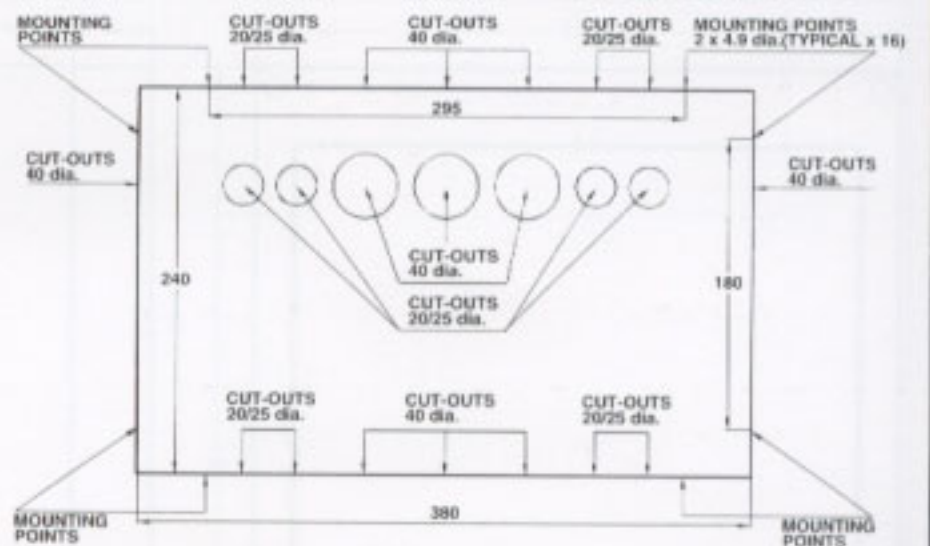
4FC11SF



4FC17

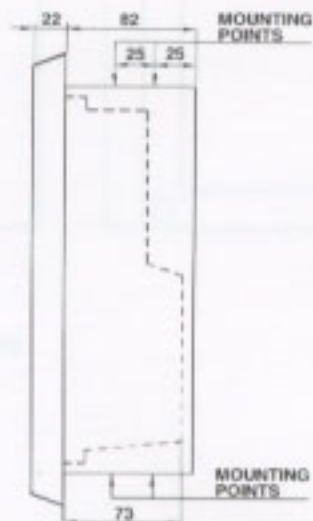


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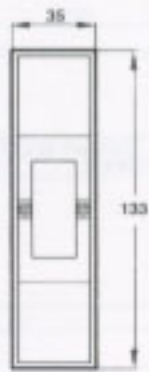
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4FC17FD



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4CC1

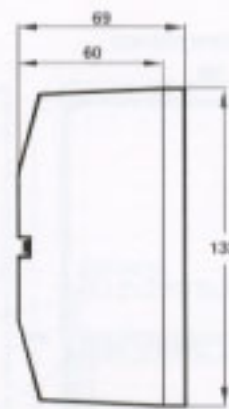
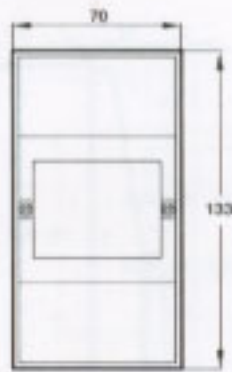


4CC2



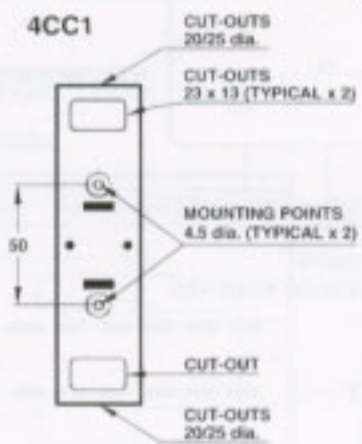
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4CC3

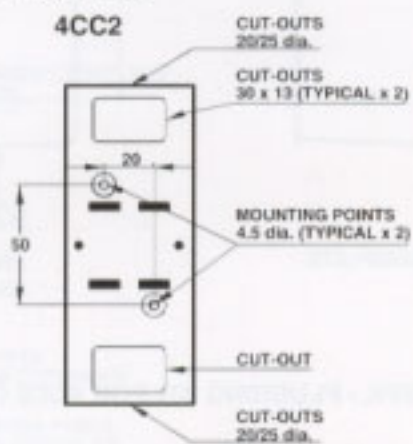


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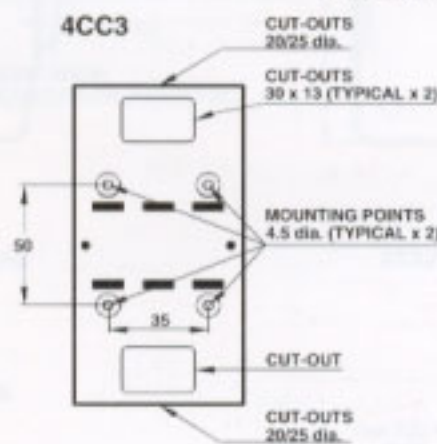
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4CC2

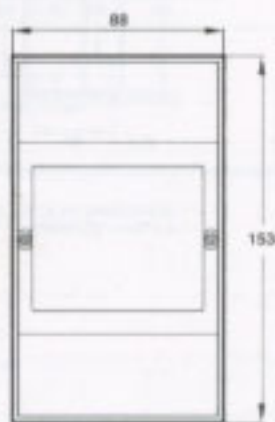


4CC3

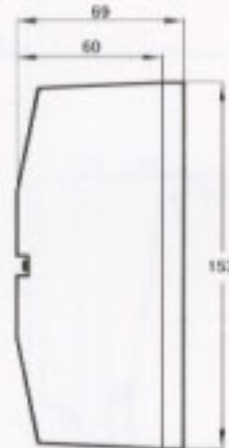


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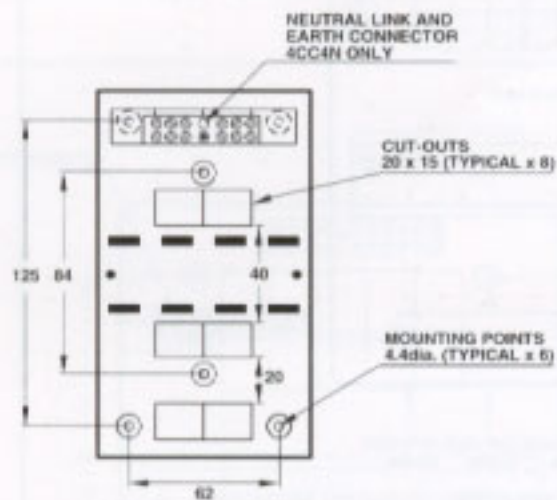
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4CC4N



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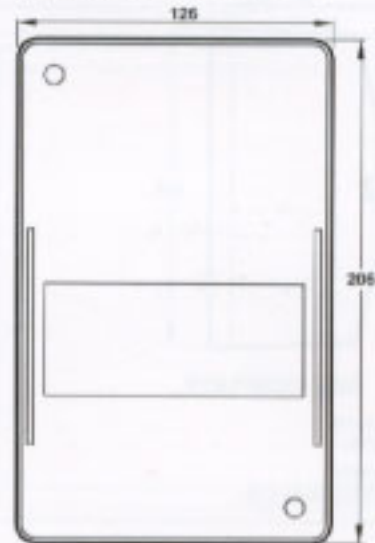


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4CC6
4CC6HC
4CC6L (LID SHOWN DOTTED)

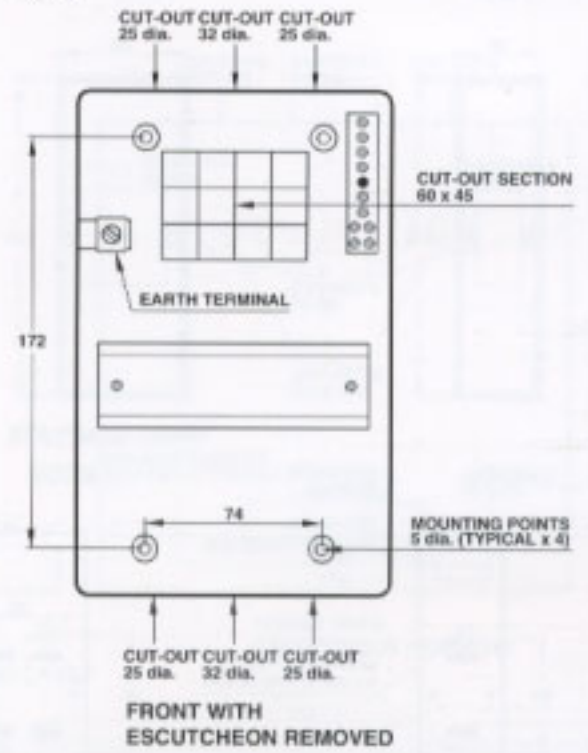


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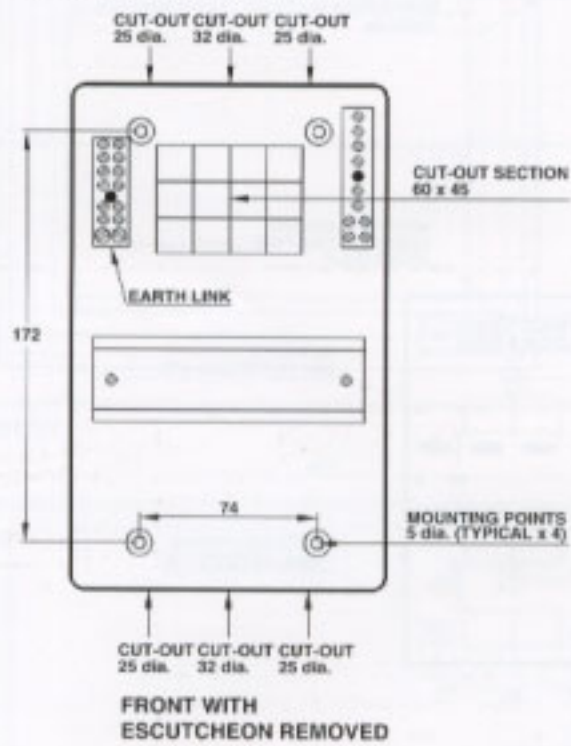
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4CC6



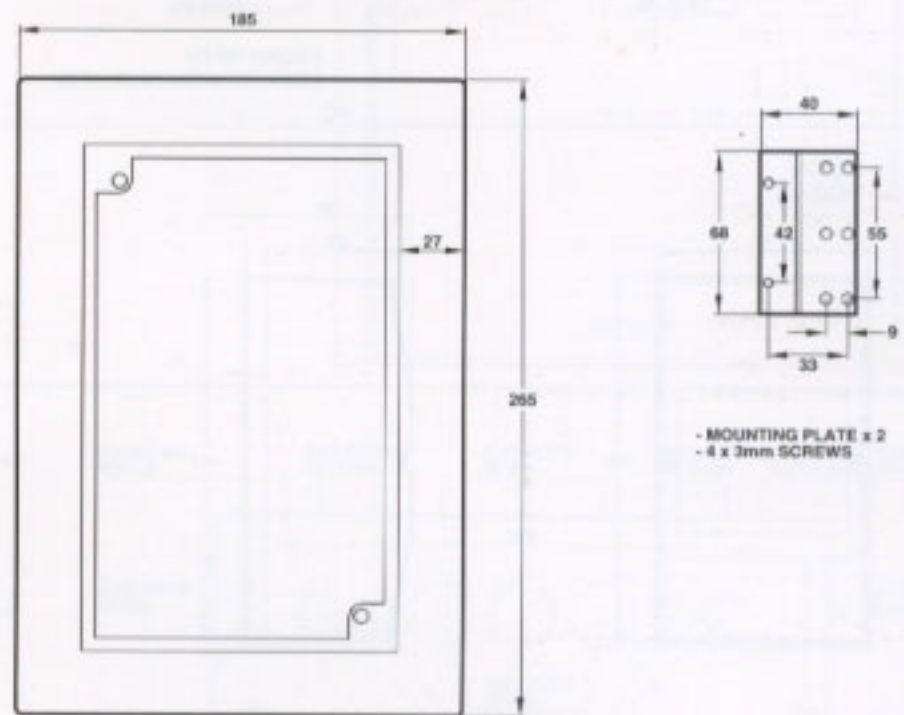
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4CC6HC



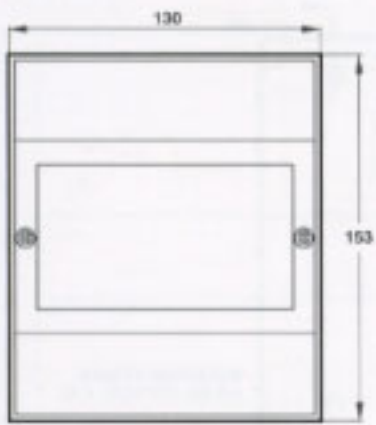
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4CC6FK - FLUSHING KIT FOR 4CC6 ONLY

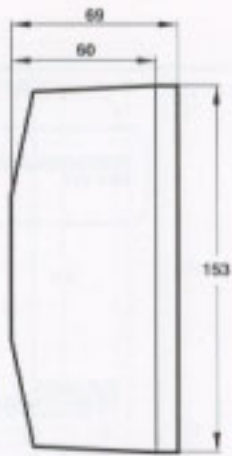


- MOUNTING PLATE x 2
- 4 x 3mm SCREWS

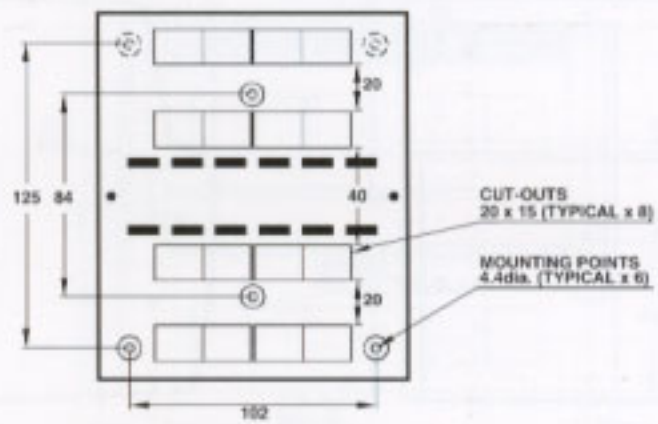
4CC6SB



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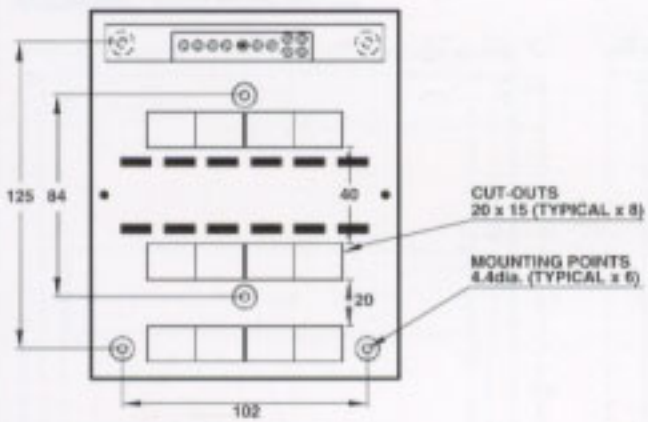


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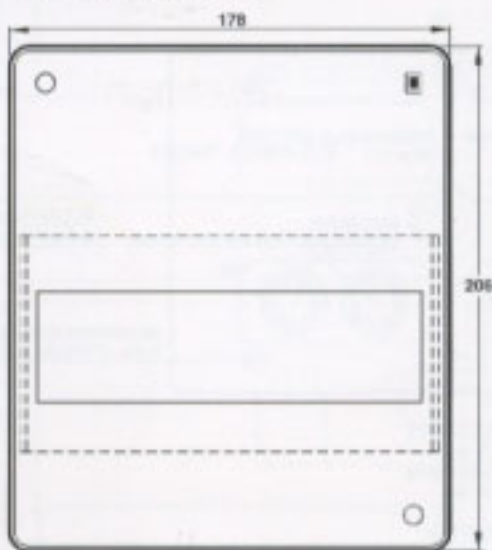
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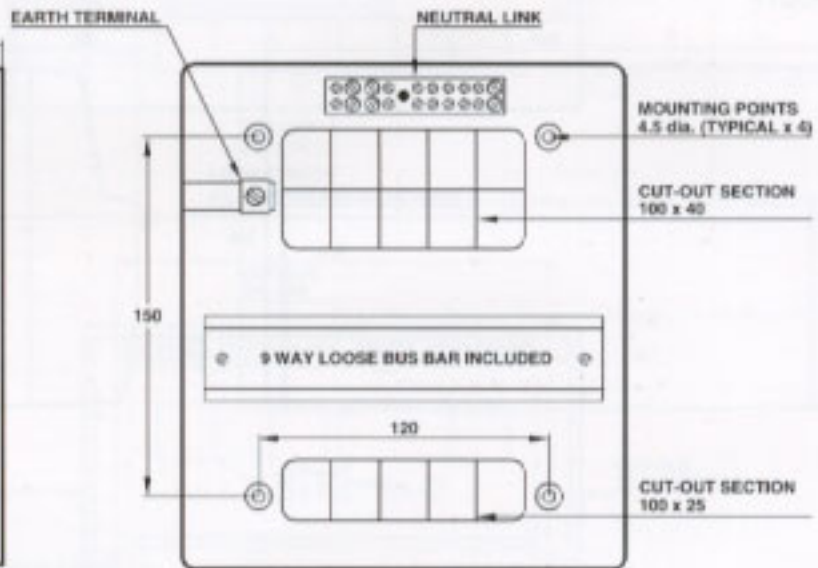
4CC9
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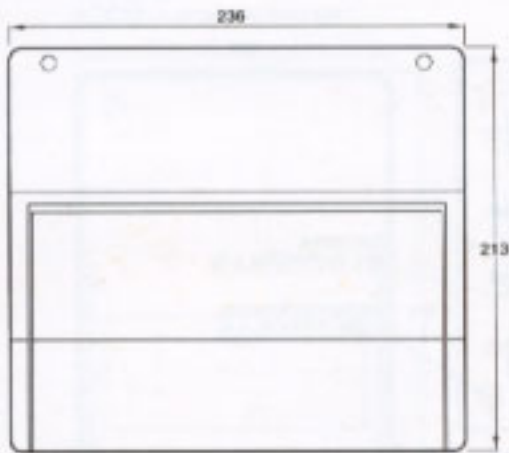


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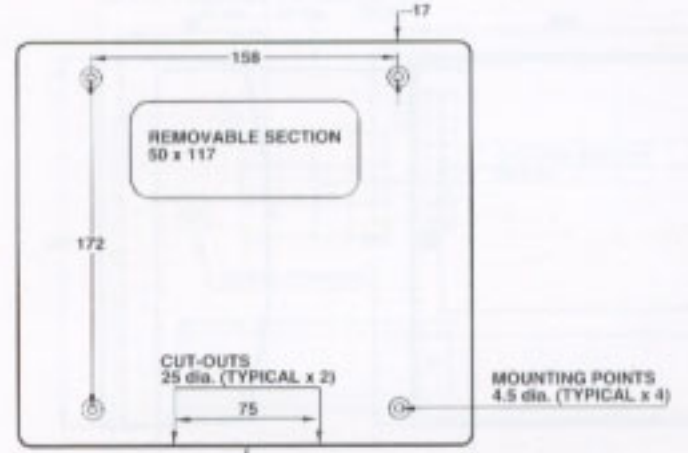
4CC11



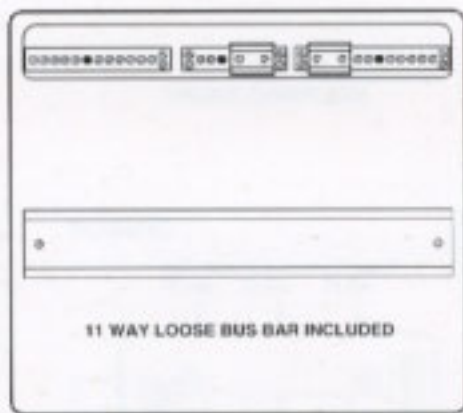
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SIDE COMPLETE

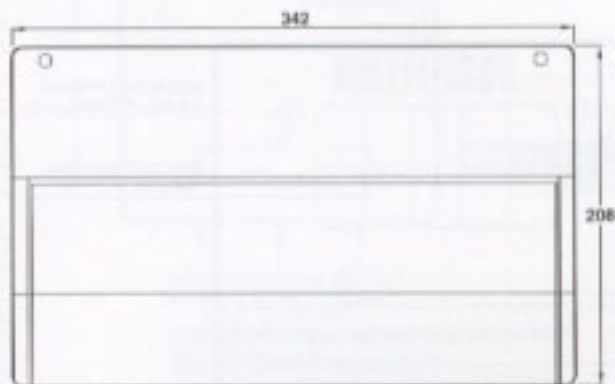


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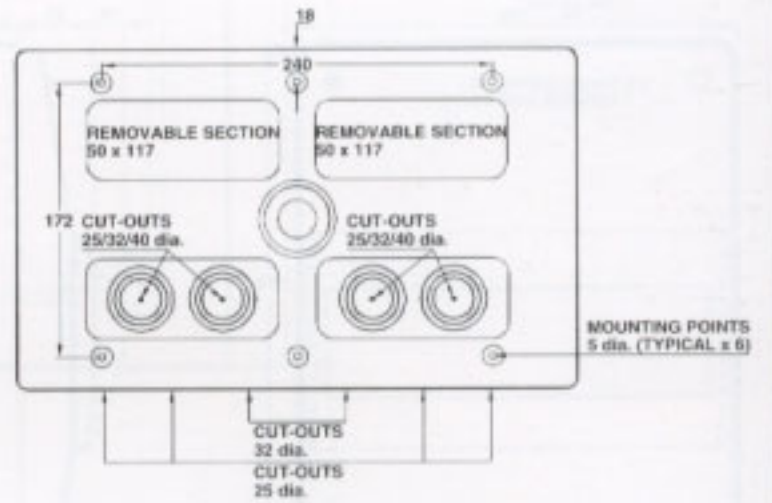
4CC17



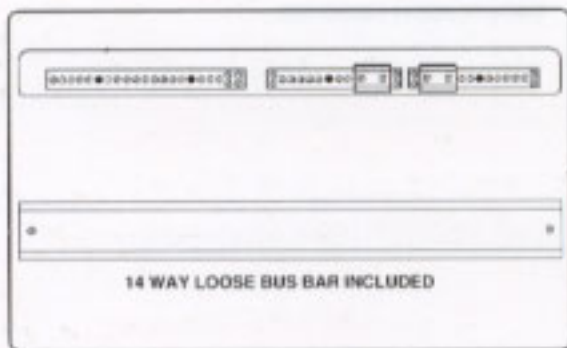
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SIDE COMPLETE

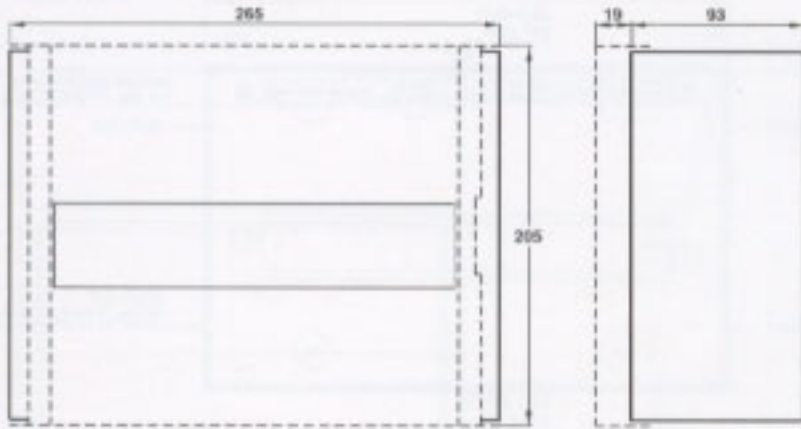


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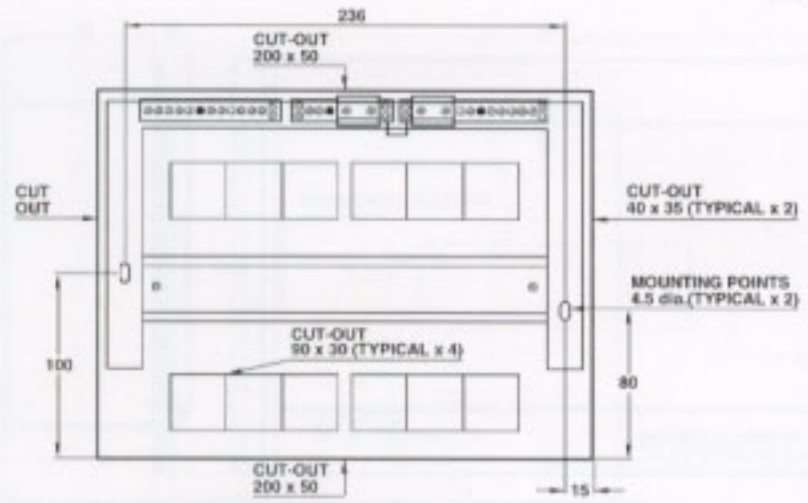
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4CC12SB
4CC12SBL (DOOR SHOWN DOTTED)



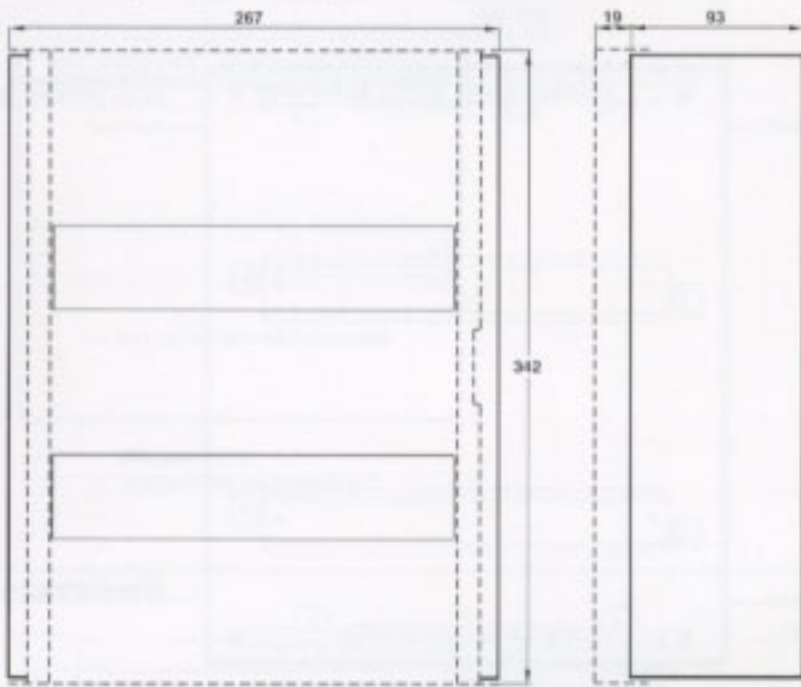
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SIDE COMPLETE



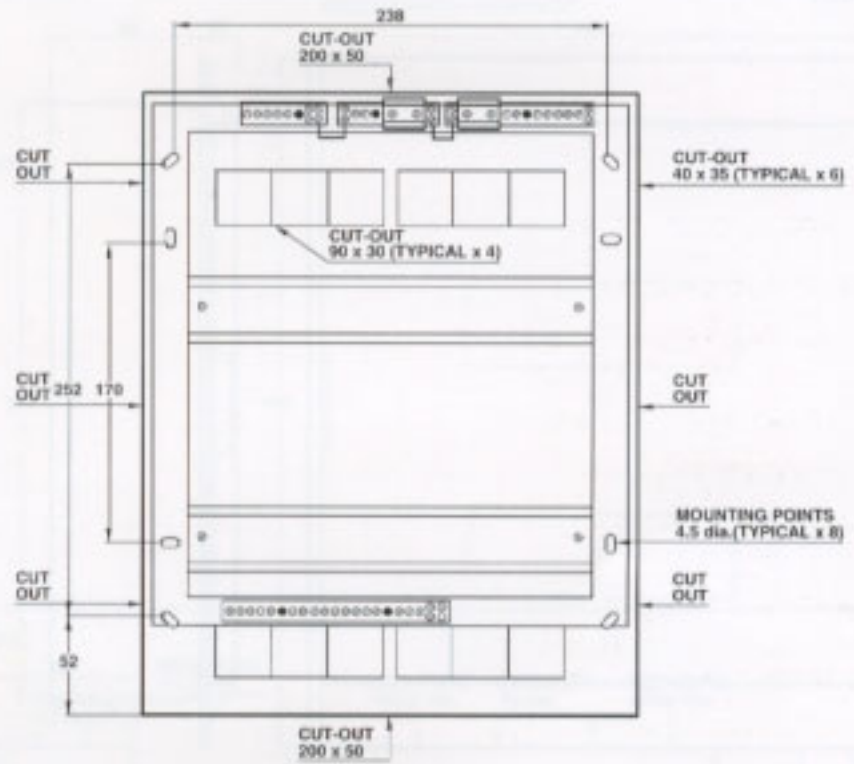
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4CC24SB
4CC24SBL (DOOR SHOWN DOTTED)



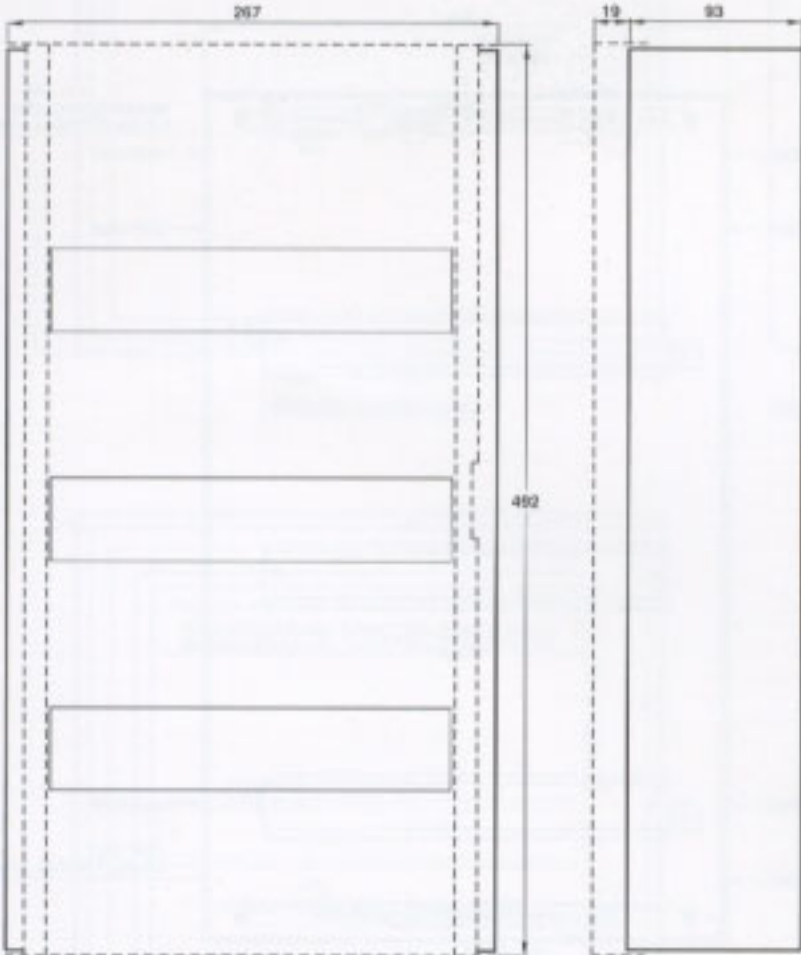
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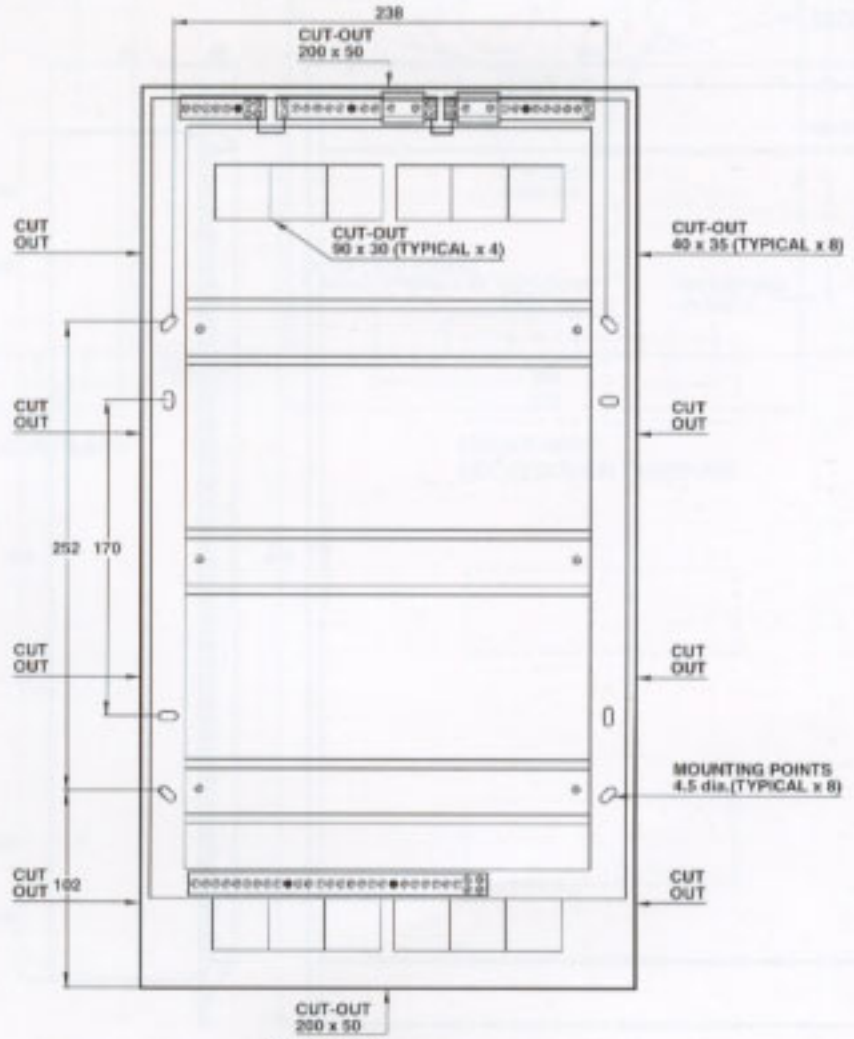
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4CC36SB
4CC36SBL (DOOR SHOWN DOTTED)



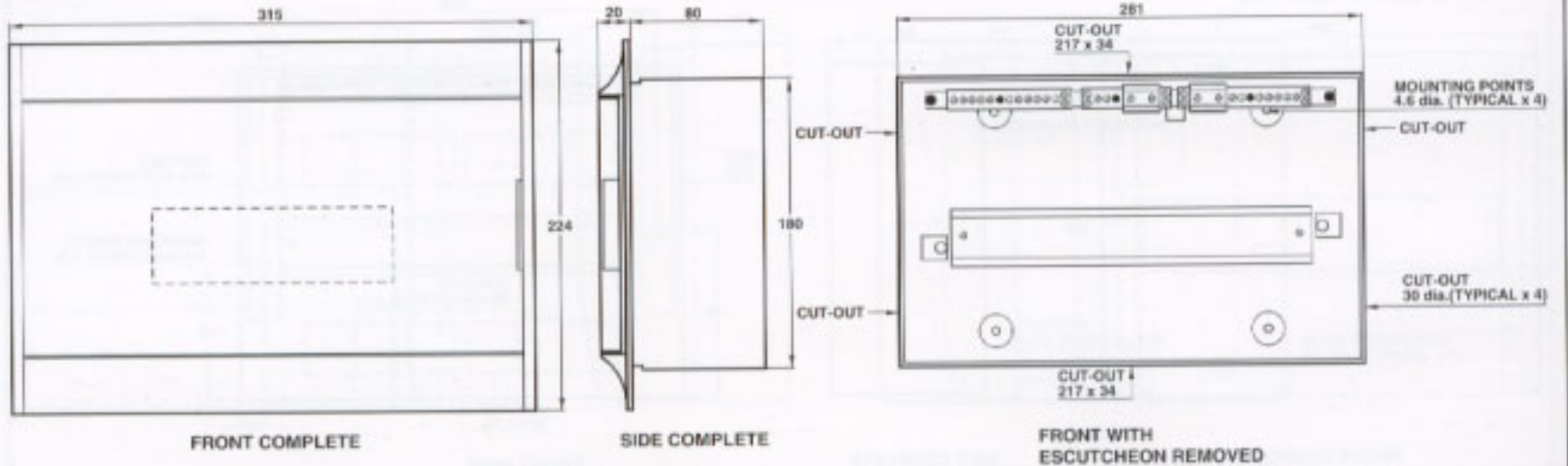
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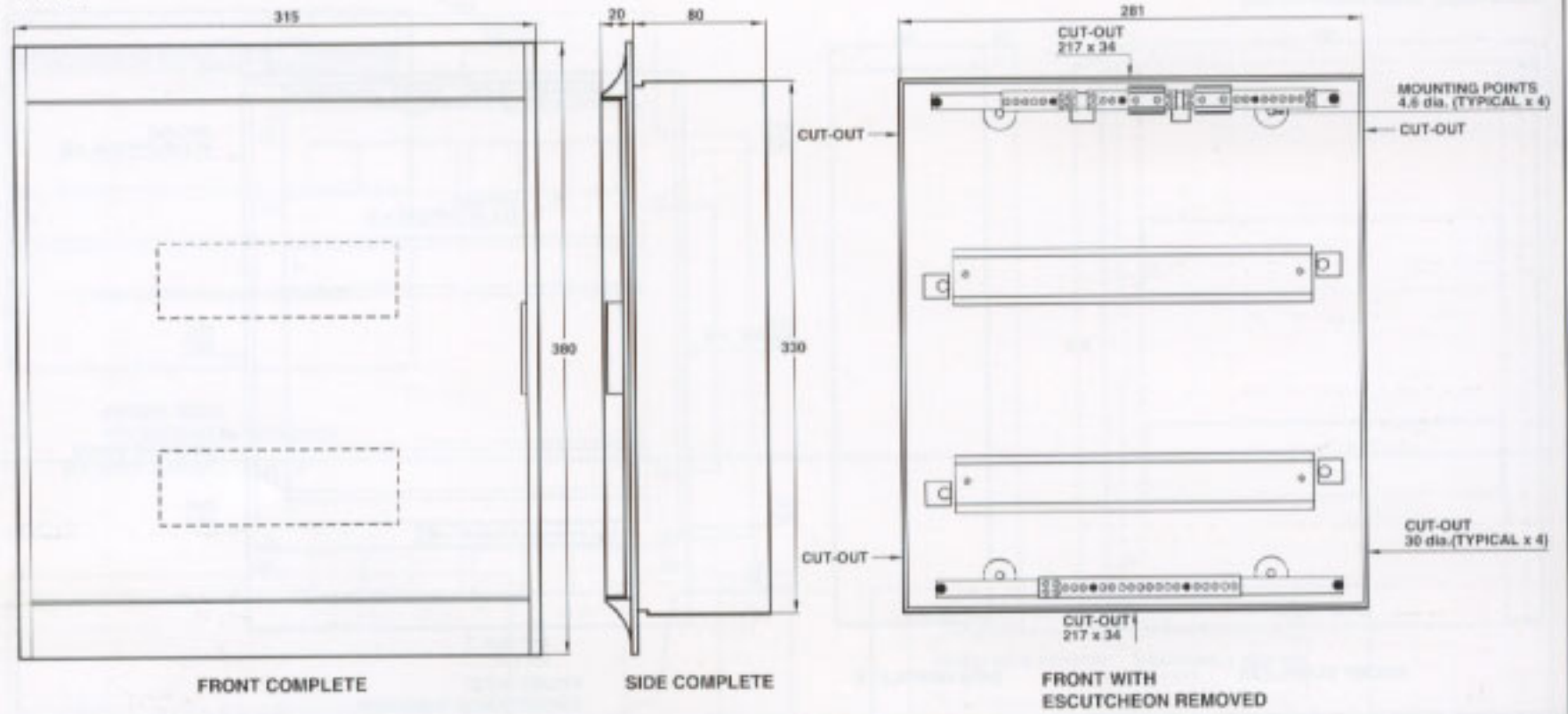


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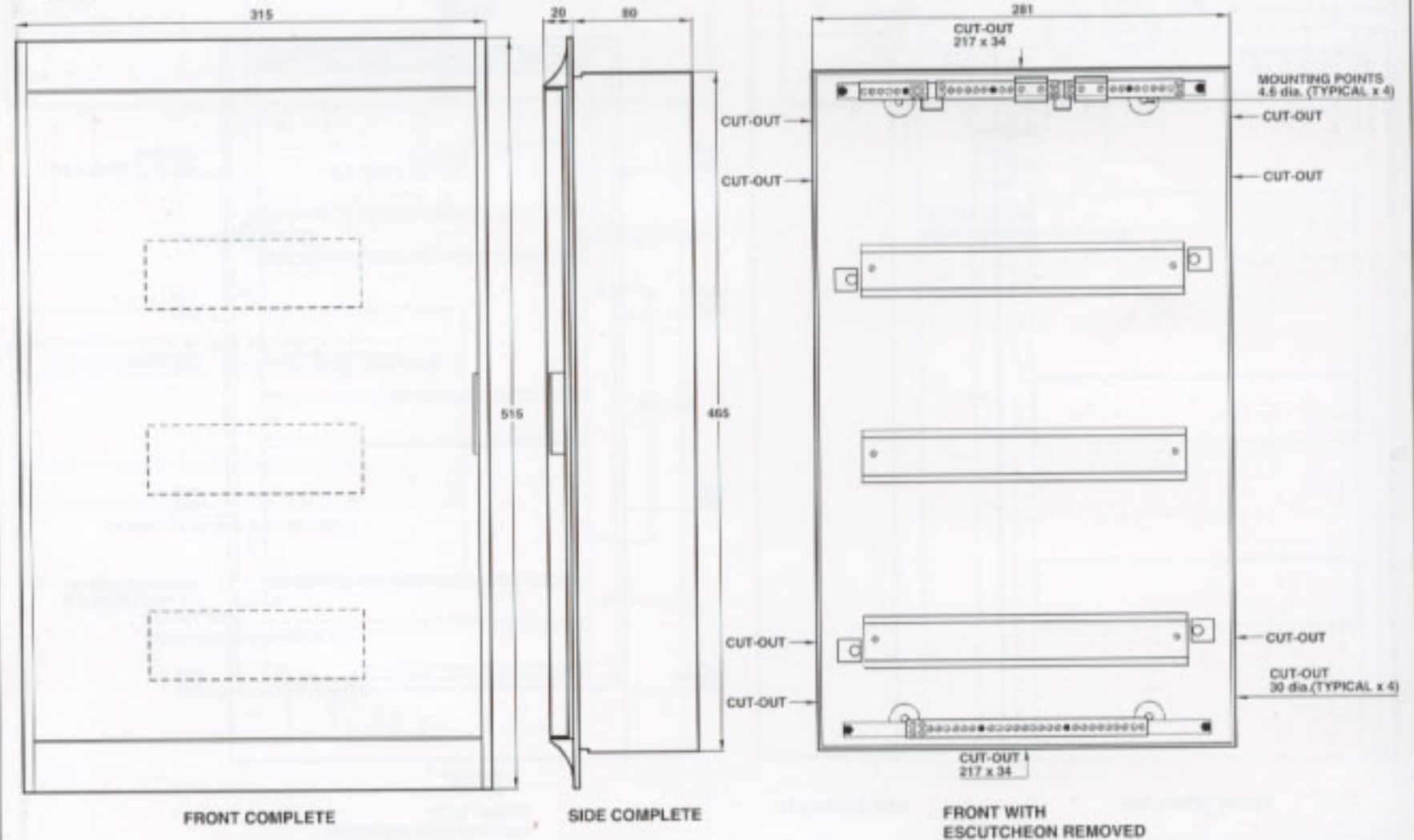
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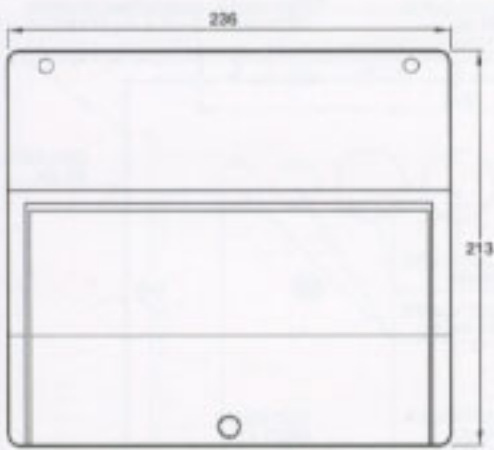
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4FCC36



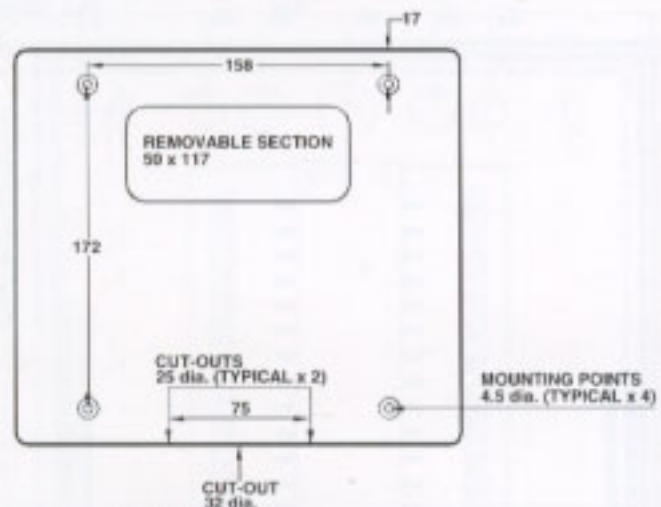
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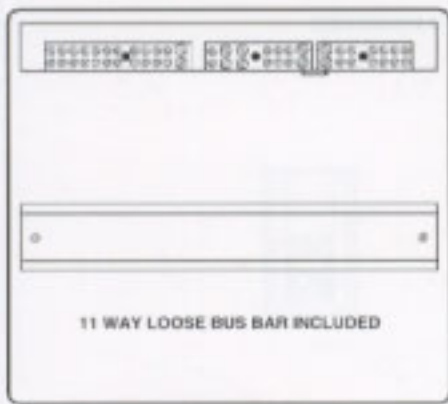
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SIDE COMPLETE

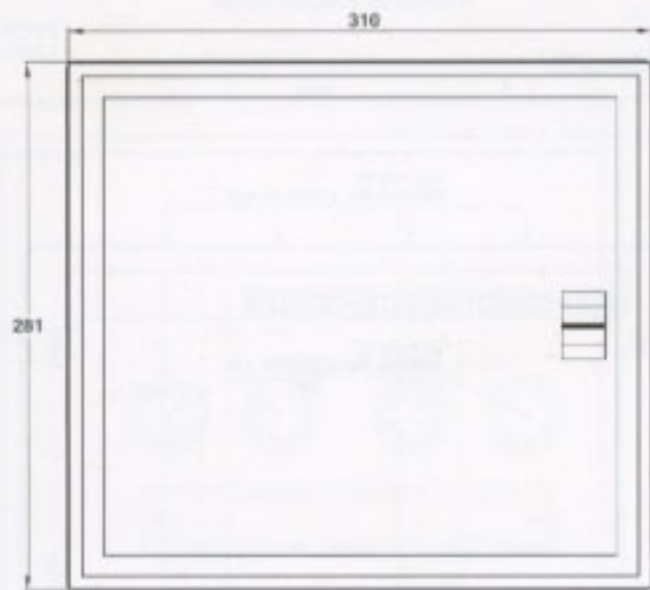


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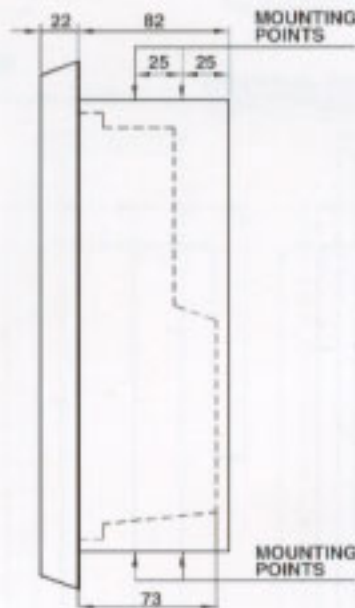


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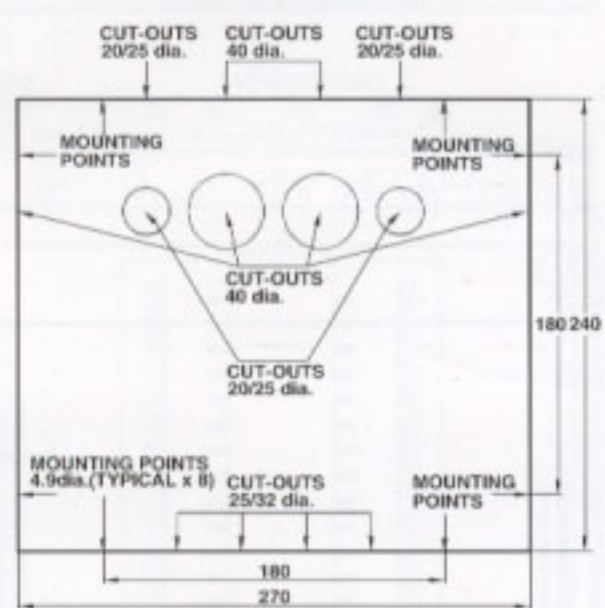
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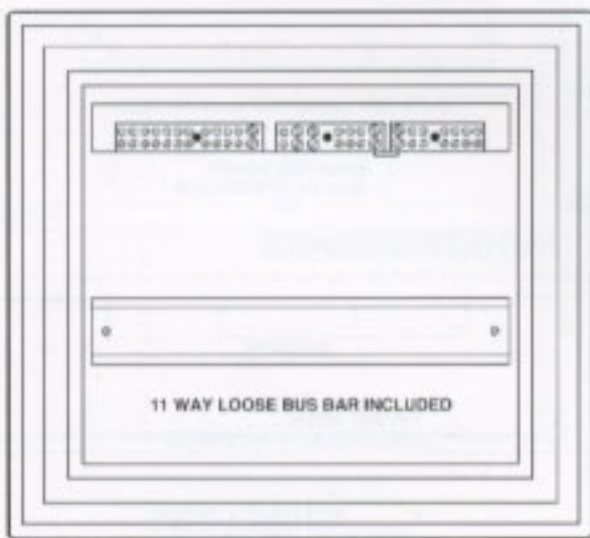
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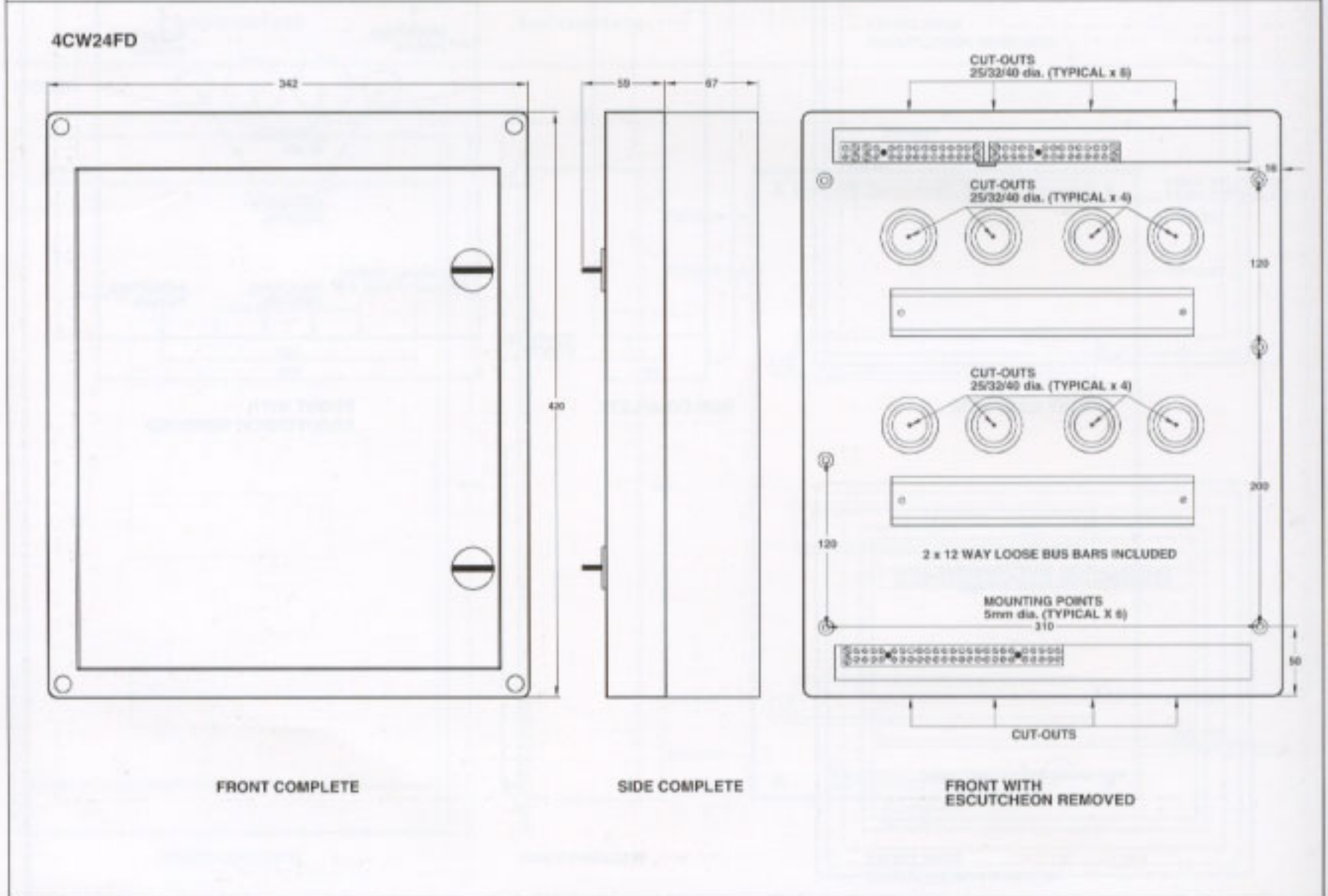
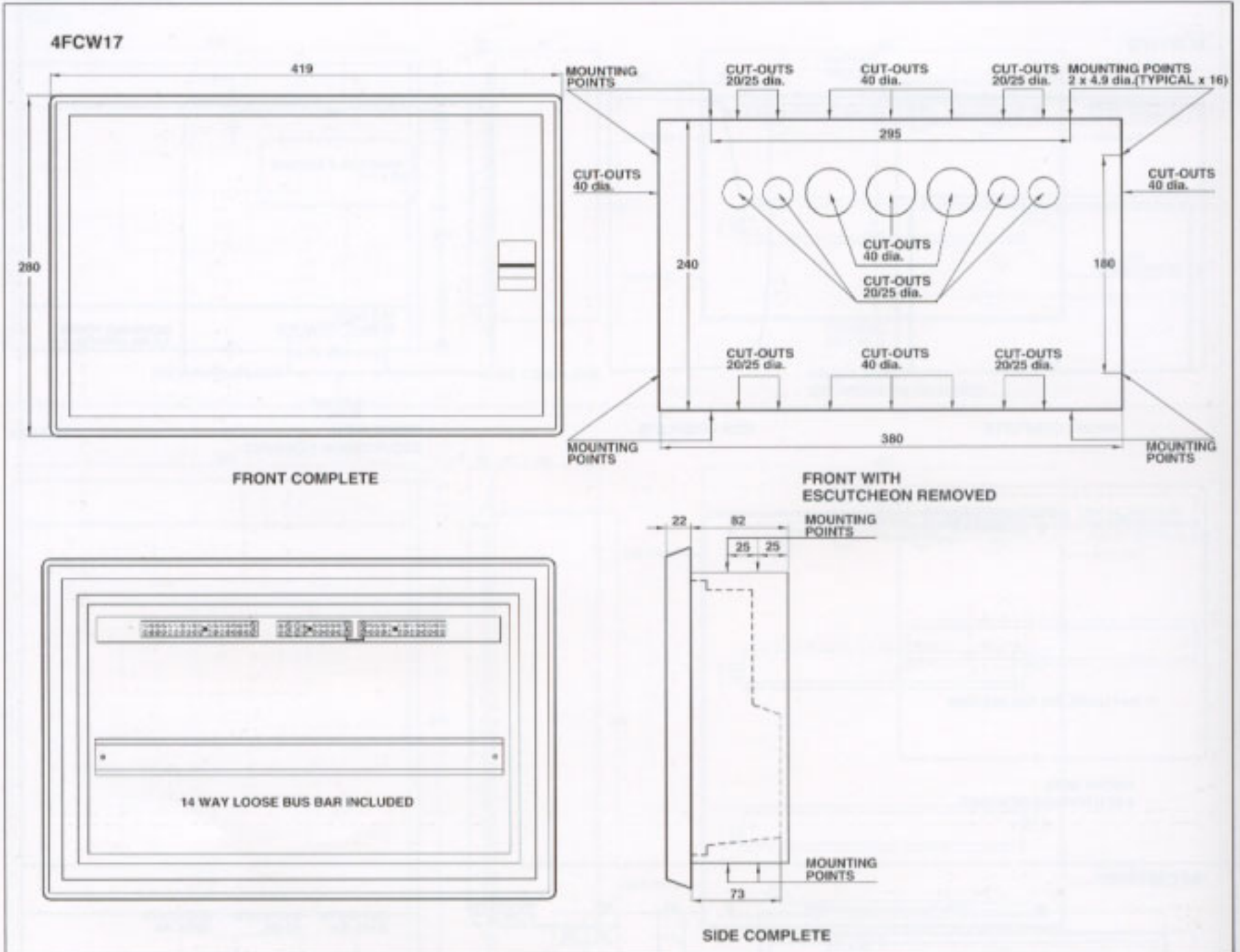
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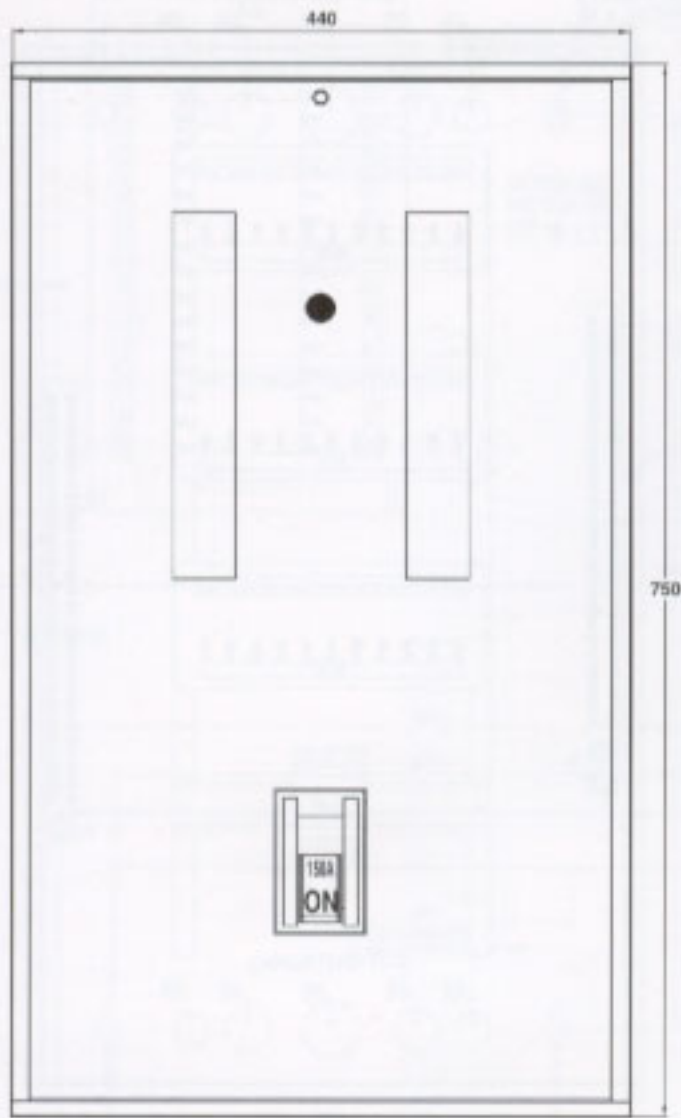
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11 WAY LOOSE BUS BAR INCLUDED



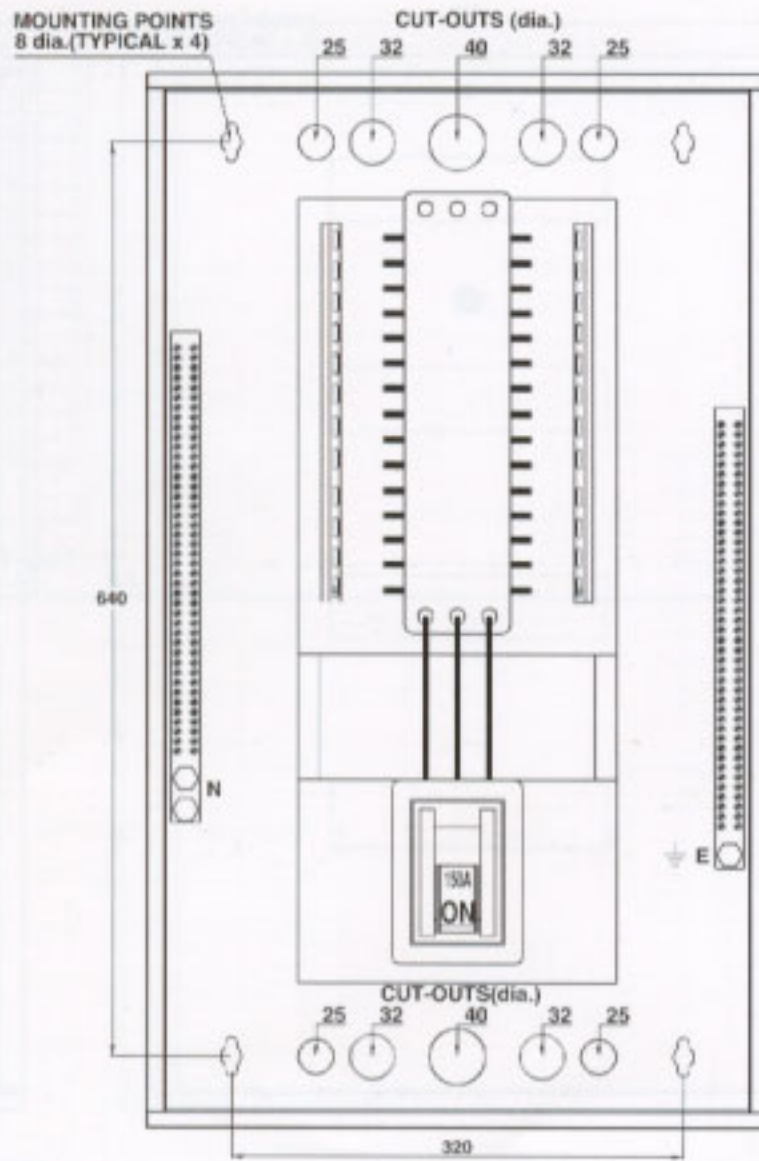
4C30
4P30



FRONT COMPLETE
DOOR SHOWN REMOVED

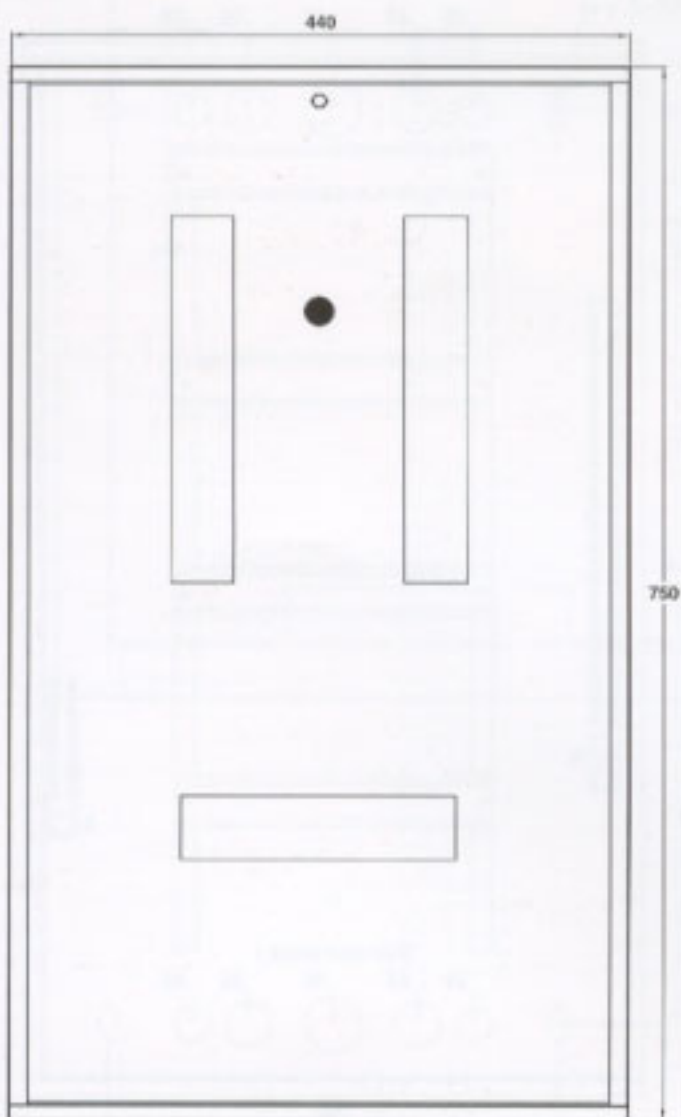


SIDE COMPLETE



FRONT WITH
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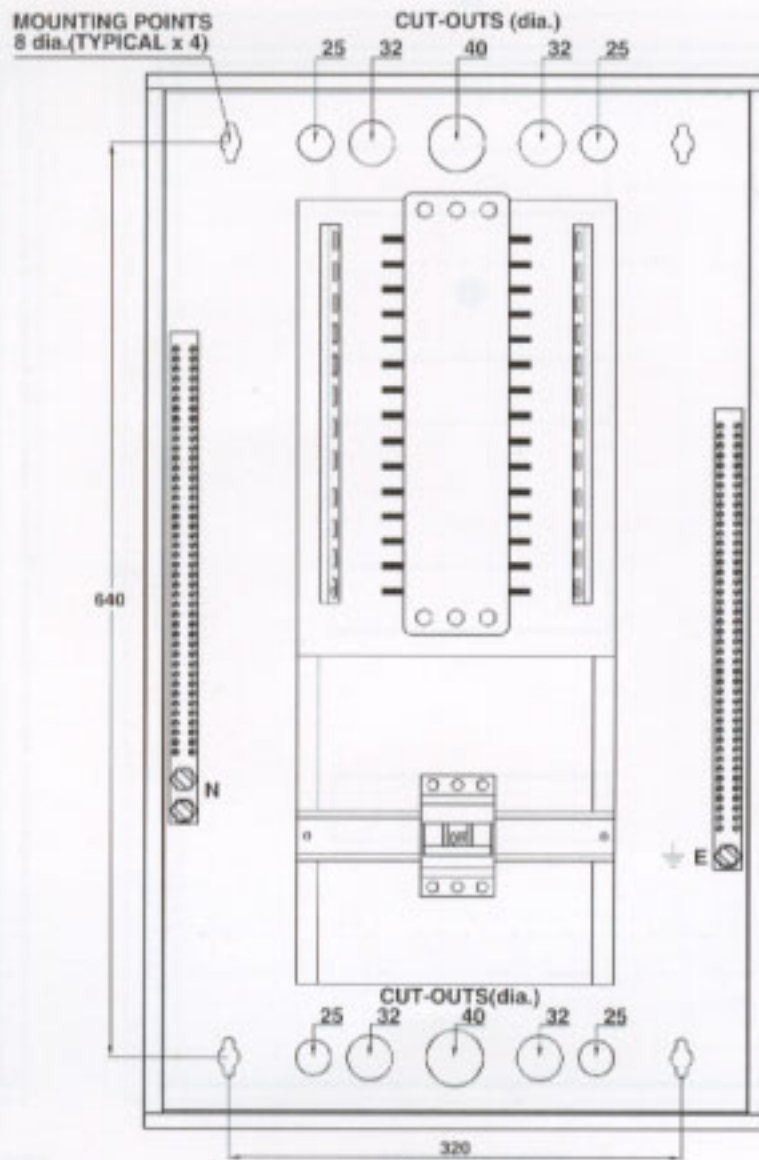
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FRONT COMPLETE
DOOR SHOWN REMOVED

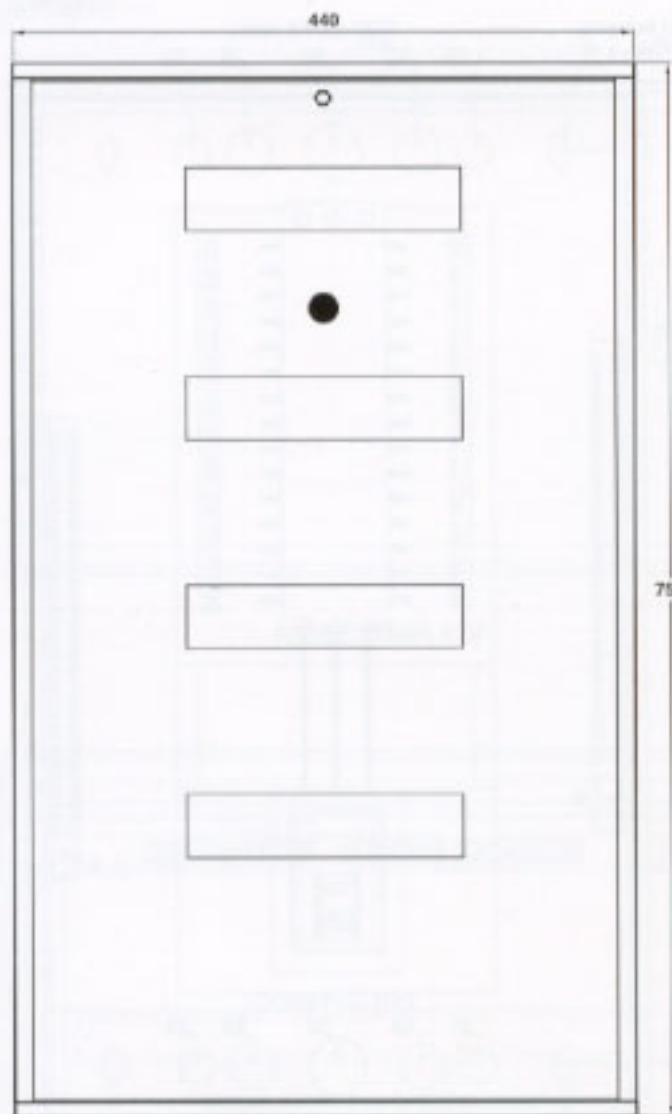


SIDE COMPLETE



FRONT WITH
ESCUTCHEON REMOVED

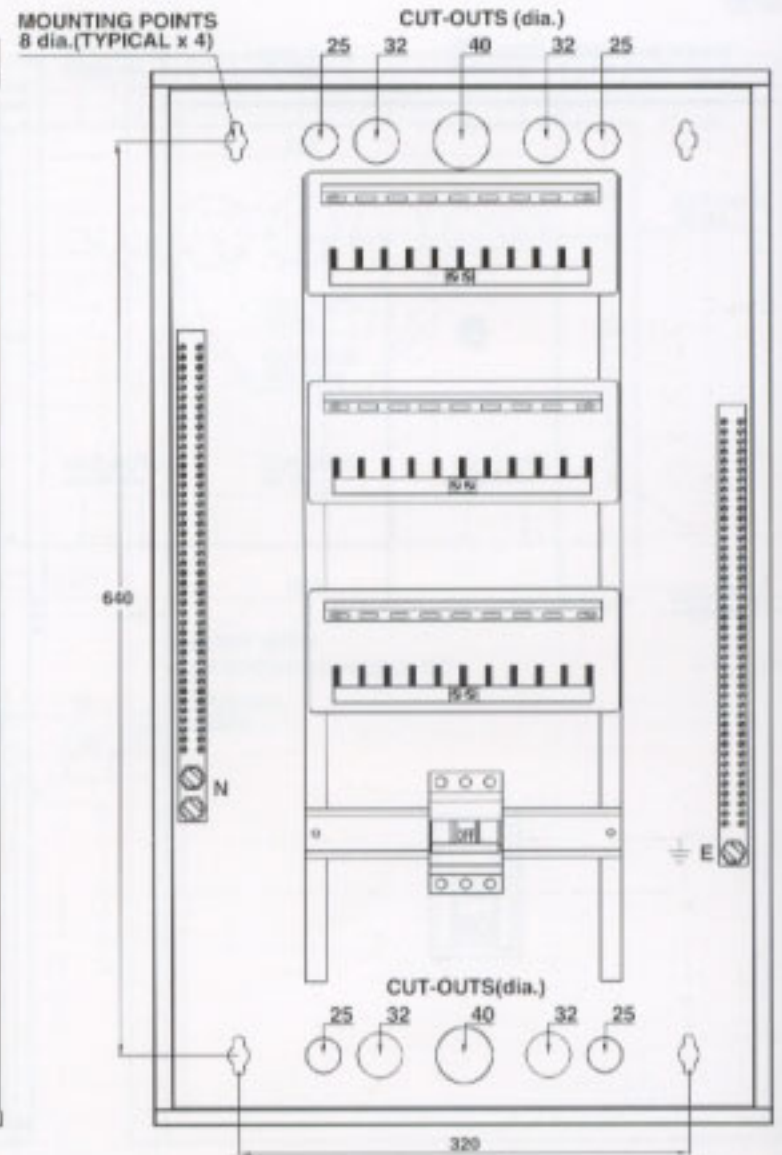
4C44



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DOOR SHOWN REMOVED

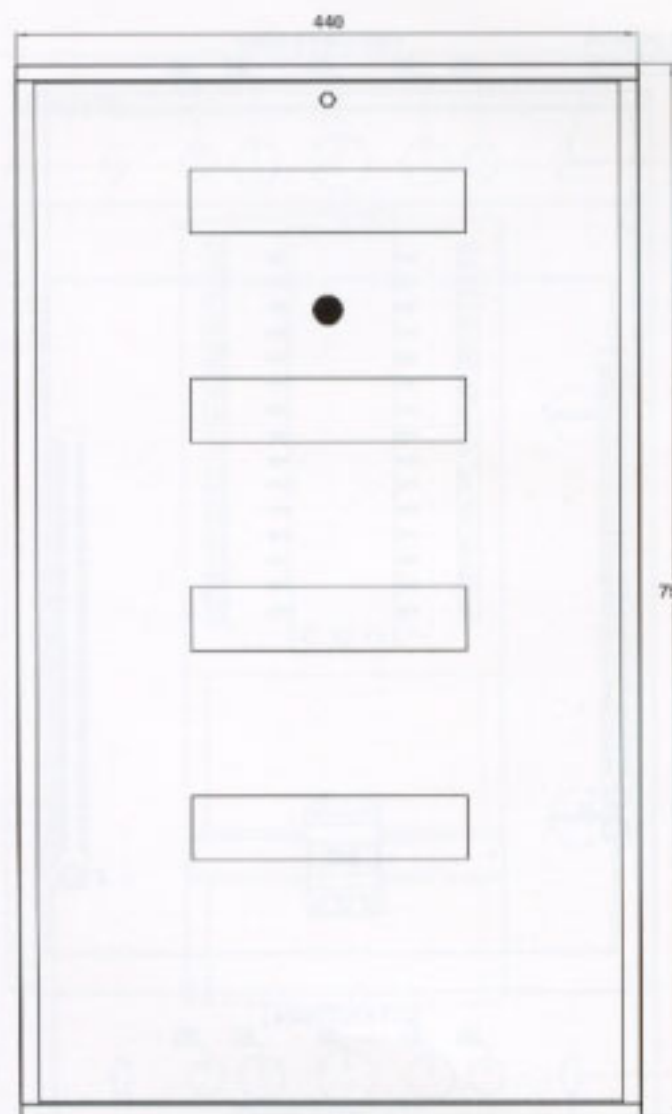


SIDE COMPLETE



FRONT WITH
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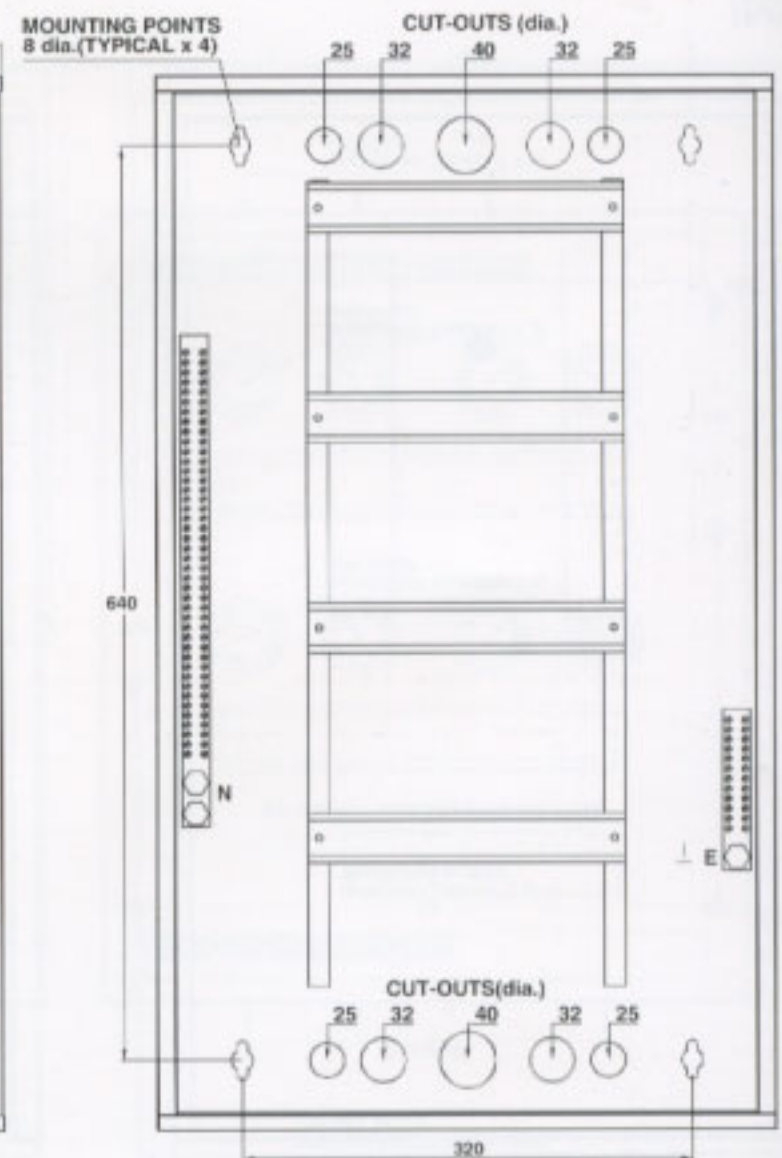
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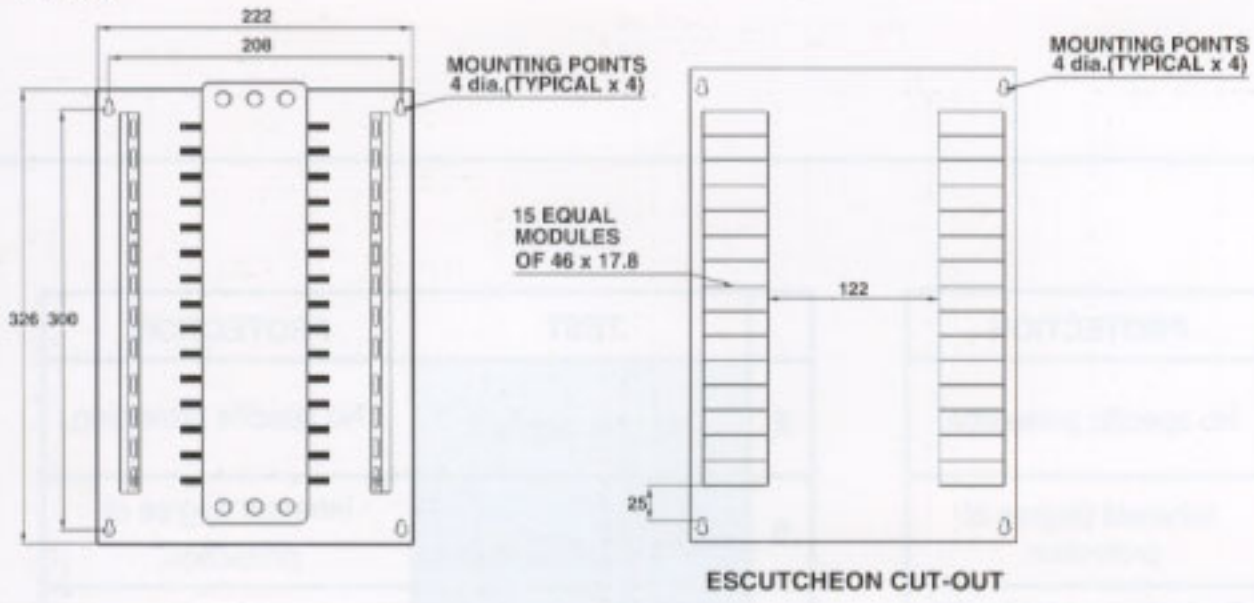


SIDE COMPLETE

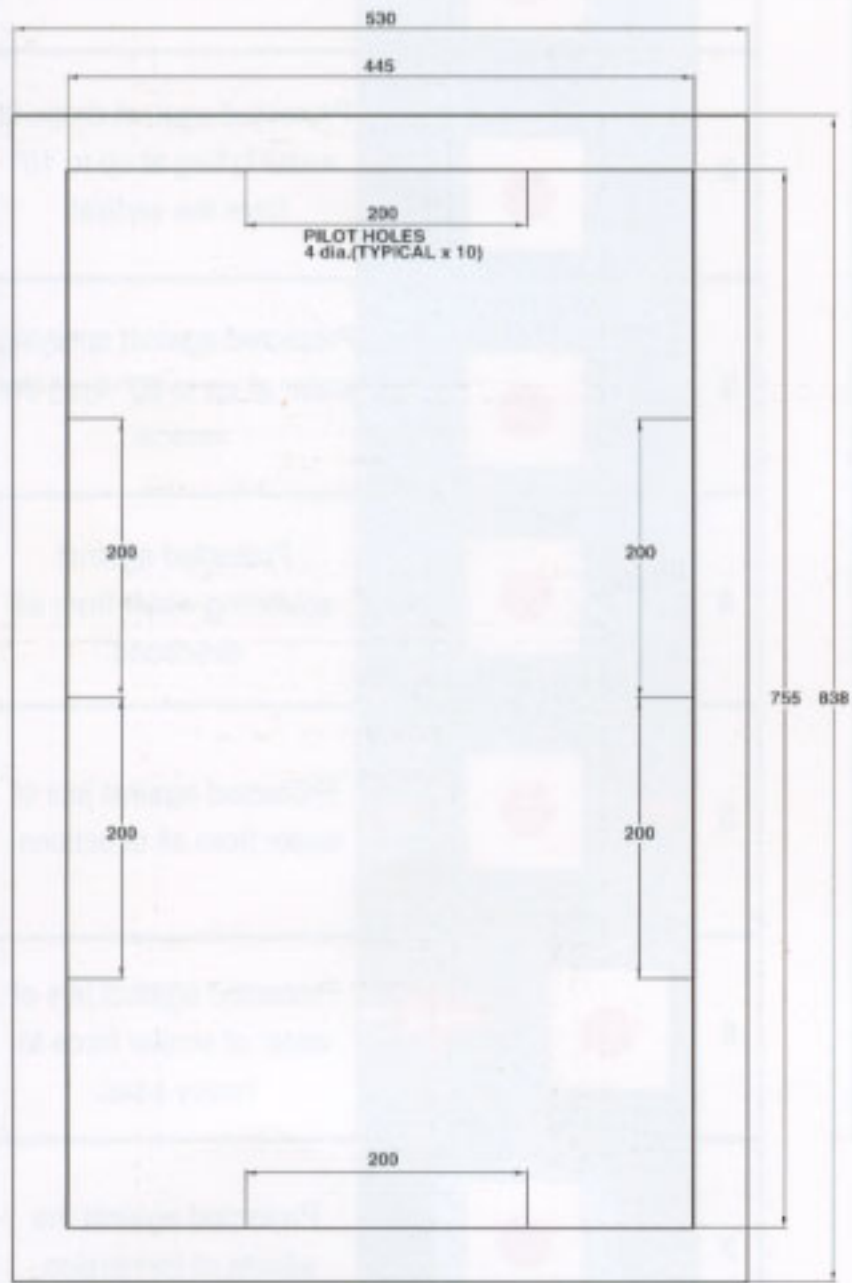


FRONT WITH
ESCUTCHEON REMOVED







4BB30K



4C30FK











INTERNATIONAL PROTECTION RATINGS

	TEST	PROTECTION
X	No test applied	No specific protection.
0	No test applied	Inherent degree of protection.
1		Protected against solid objects larger than 50mm (eg. accidental contact with hand.)
2		Protected against solid objects larger than 12mm (eg. contact with finger.)
3		Protected against solid objects larger than 2.5mm (eg. tools and wires.)
4		Protected against solid objects larger than 1mm (eg. fine tools and wires.)
5		Protected against dust. Prevent entry in sufficient quantity to interfere with satisfactory operation.
6		Completely protected against dust.

Defined by
IEC 529
DIN 40050
CEI 70-1

To Australian Standards AS 1939 - 1991
'Classification of degrees of Protection' Provided
by enclosures for electrical equipment.

	TEST	PROTECTION
X	No test applied	No specific protection.
0	No test applied	Inherent degree of protection.
1		Protected against drops of water falling vertically.
2		Protected against drops of water falling at up to 15° from the vertical.
3		Protected against spraying water at up to 60° from the vertical.
4		Protected against splashing water from all directions.
5		Protected against jets of water from all directions.
6		Protected against jets of water of similar force to heavy seas.
7		Protected against the effects of immersion.
8		Protected against the effects of submersion.

Defined by
IEC 529

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	Eastern Gold Fields	015 474 455
	Karratha	0418 937 249
SA	Riverland/Mildura/ Broken Hill	018 596 145

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