

Product Outline.

The MTA modular fuse & relay power distribution unit is perfect for adding electrical circuits to cars, buses, trucks etc.

There are 12 different modules available to suit components such as fuses, relays, circuit breakers & diodes. Each module accommodates a specific mix of components.

This picture shows a 5 module unit assembled with a cover. Modules simply clip into the mounting frame.



How to use the system.

Step 1. Order the modules that will accommodate the components you require ie. fuses, relays & circuit breakers. Modules can be ordered with terminals as a kit, or terminals can be ordered separately to suit a variety of cable gauges.

Step 2. Order the mounting bracket/frame to suit the quantity of modules you've chosen. Brackets accommodate 1 to 2 modules. Frames accommodate 4 or 5 modules. Modules simply snap-lock into the brackets/frame. Order an optional cover to suit the bracket/frame you are using.

Step 3. Order the components ie. fuses, relays, circuit breakers that you wish to use in the modules, plus any spares.

Step 4. Crimp the terminals to your cables, then simply clip the terminals into the modules from below.

Step 5. Fix the assembled unit to a panel using screws or bolts.

Step 6. Insert the fuses, relays etc. into the modules.

Looking for Weather-Proof Sealed Power Distribution Units?

We offer a large range of sealed power distribution units rated to IP66, IP67 and IP69K. You can find them on our website;

www.prolecproducts.com.au

To simplify ordering, we now offer Module Kits which include suitable terminals for the components. If you wish to order a module without terminals, simply remove the 'K' suffix from the part number. Once you have selected the module(s), select a mounting option to suit your installation.

Note: Plug-in components such as fuses, relays, pullers etc. are not included with the modules or module kits.

MODULES & KITS - Suit Fuses, Circuit Breakers, Relays & Diodes.

(full specs pages 2-3)

Part Number	Module Capacity	Terminals Included in the Kit
01460K	20 x Mini Fuses.	40 x 08331 (Mini Fuse).
01510K	10 x Mini Fuses & 1 x Maxi Relay.	20 x 08331 (Mini Fuse), 2 x 02050 (6.3mm), 2 x 07741 (9.5mm).
01560K	6 x Mini Fuses & 4 x Micro Relays.	12 x 08331 (Mini Fuse), 12 x 05620 (4.8mm), 8 x 02050 (6.3mm)
01470K	6 x Maxi Fuses (120A Busbar).	6 x 07660 (Maxi Fuse).
01480K	6 x Micro Relays.	18 x 05620 (4.8mm), 12 x 02050 (6.3mm).
01490K	1 x Mini Relay & 1 x Maxi Relay.	7 x 02050 (6.3mm), 2 x 07741 (9.5mm).
01500K	2 x Mini Relays.	10 x 02050 (6.3mm).
01600K	6 x Auto Fuses & 3 x Maxi Fuses.	12 x 07920 (Auto Fuse), 6 x 07660 (Maxi Fuse).
01660K	2 x Maxi Relays.	4 x 08501 (6.3mm), 4 x 07741 (9.5mm).
01640	20 x Mini Diodes or Mini Fuses.	Module only, terminals not included. Refer page 121.
01690	NEW 4 x Mini Fuses & 6 x Jcase Fuses*.	Module only, terminals not included. Refer page 121.
01698	NEW 20 x Mini Fuse / Diodes / Breakers, or ISO280 Relays (10 x Ultra Micro, 6 x Micro) or mixture of components.	Module only, terminals not included. Refer page 121.

Notes: Modules will accept Micro & Mini relays with 4 or 5 terminals and Maxi relays with 4 terminals.
*01690 module will accept both standard Jcase (JTF) & low profile Jcase (LJC) fuses.

KITTED TERMINAL SPECIFICATIONS (full specs pages 4-5)

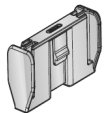
Part Number	Suits Component	Terminal Size	Wire Size	Amp Rating	Description
08331	Mini Fuse	2.8mm	1 to 2mm ²	16A	Box F2.8mm - Standard
07920	Auto Fuse	5.2mm	0.5 to 1.5mm ²	14A	Open F6.3mm - Spring clip
07660	Maxi Fuse	8mm	4 to 6mm ²	36A	Box F8mm - Spring clip
05620	Relay - Micro	4.8mm	0.5 to 1mm ²	TBA	Open F2.8mm - Standard
02050	Relay - Micro, Mini, Maxi	6.3mm	2.5 to 4mm ²	TBA	Open F6.3mm - Spring clip
08501	Relay - Maxi	6.3mm	0.75 to 1.5mm ²	14A	Box F6.3mm - Standard
07741	Relay - Maxi	9.5mm	6 to 8mm ²	48A	Box F9.5mm - Spring clip

Notes: Not all terminals are compatible with all modules. Refer page 121 for more terminal options.

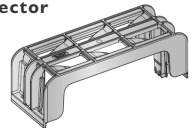
MOUNTING BRACKETS, FRAMES ADAPTORS & COVERS (full specs pages 6-7)

Part Number	Description
01580	Single Module Mounting Bracket (2pcs required)
01590	Single Module Cover (External)
01620	Single Module Adapter (Top to toe mounting)
01630	Single Module Component Protector (Internal)
00699	Dual Module Mounting Bracket (2pcs required)
01550	Dual Module Cover (Inc. fuse puller storage)
01520	Four Module Frame (Inc. lateral lock for add-ons)
01530	Four Module Cover (Inc. fuse puller storage)
01450	Five Module Frame (High profile mount)
01540	Five Module Cover

01620
Single Module Adaptor



01630
Component Protector



TERMINAL SECONDARY LOCKS (Optional)

Part Number	Description
00793	Fits Module 01640 (Mini Diodes Terminals)
01661	Fits Module 01660 (Maxi Relays Terminals)
01601	Fits Module 01600 (Auto Fuse terminals)
01602	Fits Module 01600 (Maxi Fuse terminals)
01691	Fits Module 01690 (Maxi Fuse terminals)
01699	Fits Module 01698 (ISO 280 terminals)

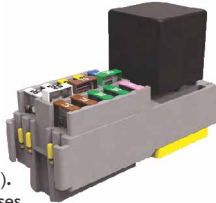
Notes: All terminals will lock into the module body, however a secondary lock will ensure terminal can't dislodge under force or vibration.

Part Number: 01460
Des: 20 x Mini Fuse Module



Note: Secondary locks (included).
Includes room for 6 spare Minifuses.

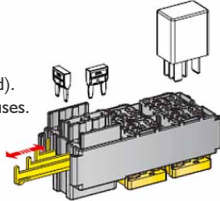
Part Number: 01510
10 x Mini Fuses
1 x Maxi Relay (4 pin)



Note: Secondary locks (included).
Includes room for 3 spare Minifuses

Part Number: 01560
6 x Mini Fuses
4 x Micro Relays (5 pin)

Note: Secondary locks (included).
Includes room for 2 spare Minifuses.



Part Number: 01480
6 x Micro Relays (5 pin)

Note:
Secondary locks (included).



Part Number: 01490
1 x Mini Relay (5 pin)
1 x Maxi Relay (4 pin)

Note:
Secondary locks (included).



Part Number: 01500
2 x Mini Relays (5 pin)



Note:
Secondary locks (included).



Part Number: 01640
20 x Mini Diodes or
20 x Mini Fuses



Note:
Secondary locks 00793 (optional).

Part Number: 01660
2 x Maxi Relays (4 pin)

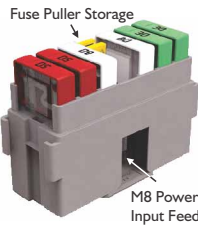
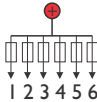


Note:
Secondary lock 01661 (optional).



Part Number: 01470
6 x Maxi Fuses (single feed)

Note: Includes room for
fuse puller 00358 (optional).
Busbar (120A Max) included.



Part Number: 01600
6 x Auto Fuses
3 x Maxi Fuses

Note: Secondary locks
01601, 01602 (optional).



Part Number: 01690
4 x Mini Fuses
6 x Jcase Fusible Links*
(*Standard or Low Profile)

NEW



Mini Fuse Low Profile Jcase Fuse Jcase Fuse



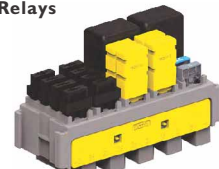
Note: Secondary lock 01691 (optional).

Part Number: 01698
20 x Mini Fuses or Mini Diodes
20 x Mini Breakers
10 x ISO 280 Ultra Micro Relays
6 x ISO 280 Micro Relays
* Or any Combination.

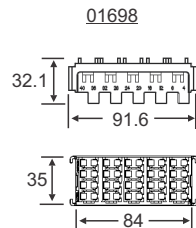
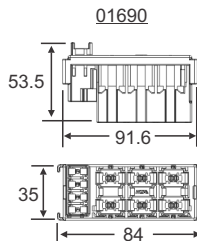
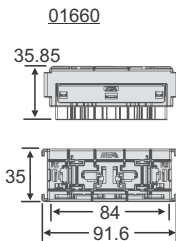
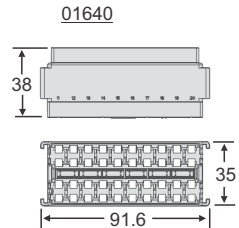
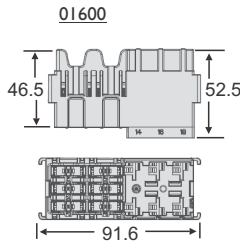
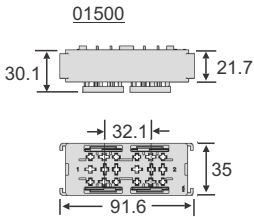
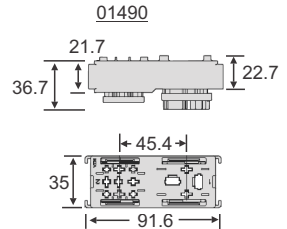
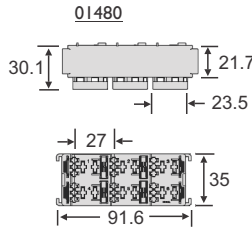
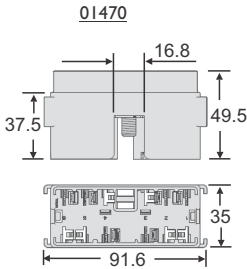
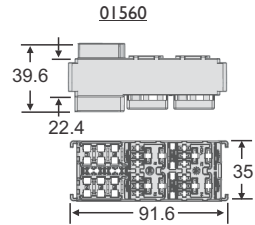
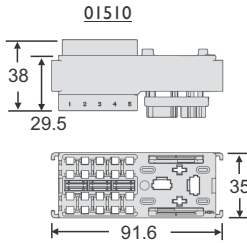
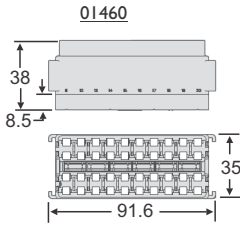
NEW



Note: Secondary lock 01699 (optional).



MODULE DIMENSIONS



Dimensions are in MM

TERMINAL SPECIFICATIONS & OPTIONS

Module	Module Capacity	Suitable Terminal Types
01460	20 x Mini fuses	A & H (Mini fuse)
01510	10 x Mini fuses & 1 x Maxi Relay	A & H (Mini fuse), E & G (Maxi relay)
01560	6 x Mini fuses & 4 x Micro Relays	A (Mini fuse), D & E (Micro relay)
01470	6 x Maxi fuses (one feed)	C (Maxi fuse)
01480	6 x Micro Relays	D & E (Micro relay)
01490	1 x Mini Relay & 1 x Maxi Relay	D or E (Mini relay), E & G (Maxi relay)
01500	2 x Mini Relays	D or E (Mini relay)
01600	6 x Auto fuses & 3 x Maxi fuses	B (Auto fuse), C (Maxi fuse)
01660	2 x Maxi Relays	F & G (Maxi relay)
01640	20 x Mini Diodes / Mini fuses	A (Mini fuse / Diode)
01690	4 x Mini fuses & 6 x JCase fuses	A (Mini fuse), K (JCase fuse - standard or low profile)
01698	20 x Mini fuses / 6 x Micro ISO280 relays	A & H (suits all components), when using H terminals, max. of 4 terminals together & limit of 20A max (continuous).

FUSE TERMINALS (M = Male, F = Female). Packaging: Axial connections (BK = Bulk Pack / RL = Reel Pack)

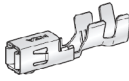
Type	Part Nbr	Suits	Fuse Term.	Wire Size	Rating	Description	Opening Type
A	08330	Mini fuse / Diode	2.8mm	0.35 - 0.75mm ²	9A	Standard (BK/RL)	Box F2.8mm
A	08331	Mini fuse / Diode	2.8mm	1 - 2mm ²	16A	Standard (BK/RL)	Box F2.8mm
A	08332	Mini fuse / Diode	2.8mm	2.5 - 4mm ²	28A	Standard (BK/RL)	Box F2.8mm
H	08335	Mini fuse / Diode	2.8mm	1 - 2mm ²	16A	Bus-Bar (RL)	Box F2.8mm
H	08336	Mini fuse / Diode	2.8mm	2.5 - 4mm ²	28A	Bus-Bar (RL)	Box F2.8mm
B	07501	Auto fuse	5.2mm	6.3mm QC	20A	Standard (BK/RL)	Open F6.3mm
B	07900	Auto fuse	5.2mm	0.5 - 1.5mm ²	14A	Standard (BK/RL)	Open F6.3mm
B	07902	Auto fuse	5.2mm	2 - 3mm ²	20A	Standard (RL)	Open F6.3mm
B	07901	Auto fuse	5.2mm	4 - 6mm ²	37A	Standard (BK/RL)	Open F6.3mm
B	07920	Auto fuse	5.2mm	0.5 - 1.5mm ²	14A	Spring Clip (BK/RL)	Open F6.3mm
B	07930	Auto fuse	5.2mm	2 - 3mm ²	20A	Spring Clip (BK/RL)	Open F6.3mm
B	07940	Auto fuse	5.2mm	4 - 6mm ²	37A	Spring Clip (BK/RL)	Open F6.3mm
B	07910	Auto fuse	5.2mm	0.5 - 1.5mm ²	14A	Bus-Bar (RL)	Open F6.3mm
B	07912	Auto fuse	5.2mm	2 - 3mm ²	20A	Bus-Bar (RL)	Open F6.3mm
B	07911	Auto fuse	5.2mm	4 - 6mm ²	37A	Bus-Bar (RL)	Open F6.3mm
B	07932	Auto fuse	5.2mm	2 - 3mm ²	20A	Bus-Bar Clip (RL)	Open F6.3mm
B	07942	Auto fuse	5.2mm	4 - 6mm ²	37A	Bus-Bar Clip (RL)	Open F6.3mm
C	07650	Maxi fuse	8mm	1.5 - 2.5mm ²	20A	Spring Clip (BK/RL)	Box F8mm
C	07660	Maxi fuse	8mm	4 - 6mm ²	36A	Spring Clip (BK/RL)	Box F8mm
C	07670	Maxi fuse	8mm	8 - 10mm ²	50A	Spring Clip (BK/RL)	Box F8mm
C	07671	Maxi fuse	8mm	16mm ²	75A	Spring Clip (BK/RL)	Box F8mm
K	07990	JCase fuse	6.3mm	1.5 - 2mm ²	16A	Standard (BK/RL)	Open M6.3mm
K	07991	JCase fuse	6.3mm	2.5 - 4mm ²	28A	Standard (BK/RL)	Open M6.3mm
K	07992	JCase fuse	6.3mm	6 - 8mm ²	48A	Standard (BK/RL)	Open M6.3mm
K	07993	JCase fuse	6.3mm	10mm ²	53A	Standard (BK/RL)	Open M6.3mm

RELAY TERMINALS (Not all terminals are compatible with all modules)

Type	Part Nbr	Suits Relay	Relay Terminal	Wire Size	Rating	Description	Opening Type
D	05615	Micro / Mini	4.8 or 6.3mm	0.2 - 0.5mm ²		Standard (BK)	Open F2.8mm
D	05620	Micro / Mini	4.8 or 6.3mm	0.5 - 1mm ²		Standard (BK)	Open F2.8mm
D	05630	Micro / Mini	4.8 or 6.3mm	1.5 - 2.5mm ²		Standard (BK)	Open F2.8mm
D	07209	Micro / Mini	4.8 or 6.3mm	0.5 - 1mm ²	10A	Spring Clip (BK)	Open F2.8mm
D	07212	Micro / Mini	4.8 or 6.3mm	1.5 - 2.5mm ²	14A	Spring Clip (BK)	Open F2.8mm
E	02050	Micro / Mini / Maxi	6.3mm	2.5 - 4mm ²		Spring Clip (BK)	Open F6.3mm
F	08500	Maxi	6.3mm	0.35 - 0.5mm ²	6A	Standard (RL)	Box F6.3mm
F	08501	Maxi	6.3mm	0.75 - 1.5mm ²	14A	Standard (RL)	Box F6.3mm
F	08502	Maxi	6.3mm	2 - 2.5mm ²	20A	Standard (RL)	Box F6.3mm
F	08503	Maxi	6.3mm	4 - 6mm ²	37A	Standard (RL)	Box F6.3mm
G	07740	Maxi	9.5mm	2.5 - 4mm ²	28A	Spring Clip (BK/RL)	Box F9.5mm
G	07741	Maxi	9.5mm	6 - 8mm ²	48A	Spring Clip (BK/RL)	Box F9.5mm
G	07742	Maxi	9.5mm	10 - 16mm ²	75A	Spring Clip (RL)	Box F9.5mm

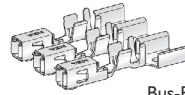
TERMINAL ILLUSTRATIONS

08330
08331
08332



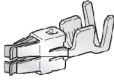
Standard F2.8mm

08335
08336



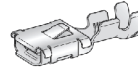
Bus-Bar F2.8mm

02050



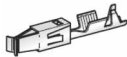
Spring Clip F6.3mm

07740
07741
07442



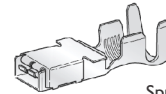
Spring Clip F9.5mm

05615
05620
05630



Standard F2.8mm

07650
07660
07670
07671



Spring Clip F8.0mm

07209
07212



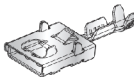
Spring Clip F2.8mm

07501



Standard F6.3mm

08500
08501
08502
08503



Standard F6.3mm

07920
07930
07940



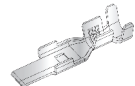
Spring Clip F6.3mm

07900
07902
07901



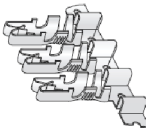
Standard F6.3mm

07990
07991
07992
07993



Standard M6.3mm

07910
07912
07911



Bus-Bar F6.3mm

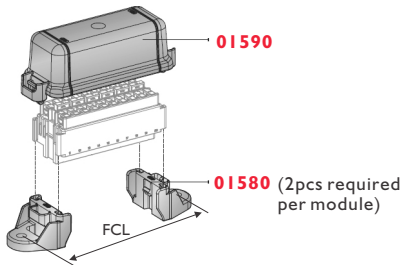
07932
07942



Bus-Bar Clip F6.3mm

SINGLE MODULE BRACKET & COVER

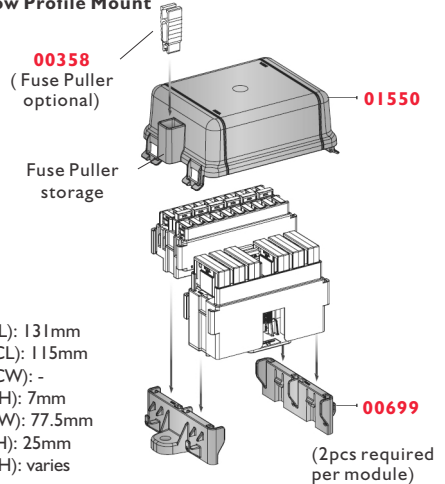
Low Profile Mount



Overall Length (OL): 150mm
 Fixing Centre Length (FCL): 132mm
 Fixing Centre Width (FCW): -
 Mounting Hole (MH): 7mm
 Overall Width (OW): 39mm
 Bracket Height (BH): 25mm
 Overall Height With Cover (OH): varies by module

DUAL MODULE BRACKET & COVER

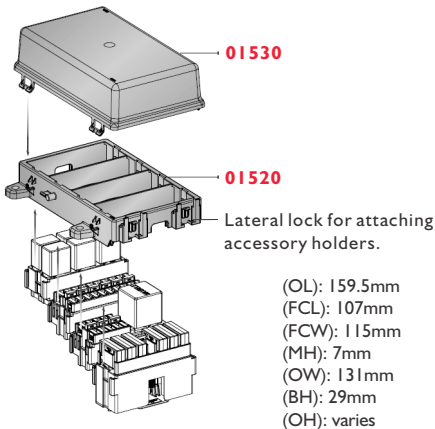
Low Profile Mount



(OL): 131mm
 (FCL): 115mm
 (FCW): -
 (MH): 7mm
 (OW): 77.5mm
 (BH): 25mm
 (OH): varies

FOUR MODULE FRAME & COVER

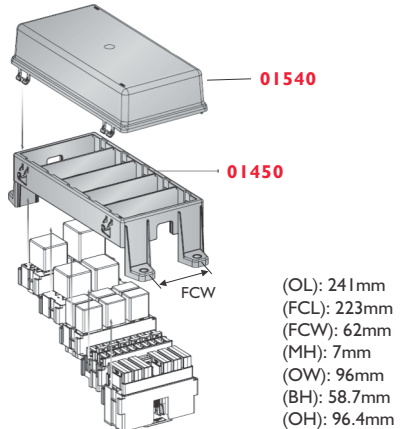
Low Profile Mount



(OL): 159.5mm
 (FCL): 107mm
 (FCW): 115mm
 (MH): 7mm
 (OW): 131mm
 (BH): 29mm
 (OH): varies

FIVE MODULE FRAME & COVER

High Profile Mount

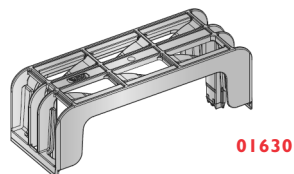


(OL): 241mm
 (FCL): 223mm
 (FCW): 62mm
 (MH): 7mm
 (OW): 96mm
 (BH): 58.7mm
 (OH): 96.4mm

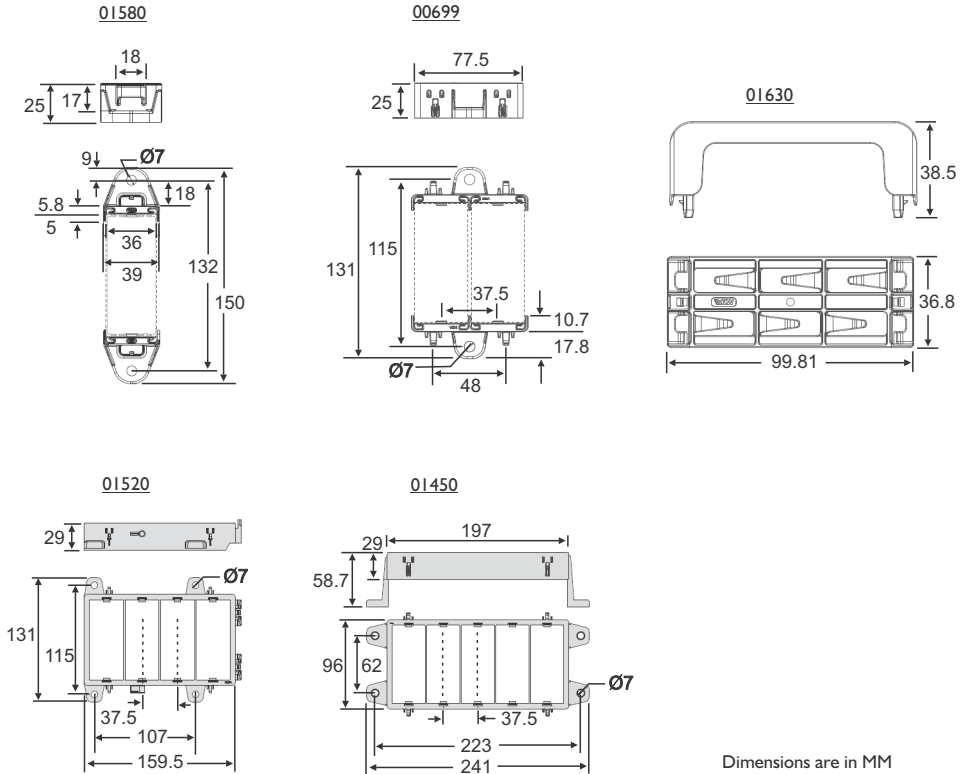
SINGLE (1) MODULE OPEN COVER

This cover features down angled tabs at the top of the cover to ensure that components do not come loose from the terminals.

Note: This cover is only compatible with 4 or 5 module frame and does not allow you to fit the fully enclosed cover on top of it.



BRACKET, FRAME & COVER DIMENSIONS



MODULE JOINER DIMENSIONS

The 01620 is used to join modules end to end.
Diagram shows 2 x 01580 mounting brackets fitted.

