Features

- ***For use in cable-to-cable and cable-to-panel applications.***
- ***Designed for medium duty.***
- ***Plug prongs are .250" (6.35mm) wide and .055" (1.40mm) thick.***
- ***Socket contacts have solder eyelet contacts of .093" diameters.***
- ***Polarized to prevent wrong-way insertion.***
- ***Plugs have projecting flat blades, sockets have recessed twin bellows.***
- ***Cable clamps of zinc and clear irridite-plated steel are used for strain relief.***
- ***Bifurcated bellows socket contact provides four individual flexing surfaces for maximum contact with the blade.***
- ***Plugs and sockets have recessed pockets with barriers around the contacts.***
- ***A shoulder extends around the face (mating) side of both plug and socket presenting a finished appearance when mounted in bracket or cap.***
- ***Intermates with existing 400 Series Products on the market.***
- ***UL Recognized - file - E17021B (UL1977) E130965 (1863).***
- ***CSA - LR31996-2.***
- ***Panel cutout dimensions (See page 2-57).***

Materials

Insulation Material: Molded monoblock, general purpose phenolic, black
Contact Material: Plug: Brass
Socket: Phosphor bronze
Contact Plating: Cadmium
Operating Temperature: Up to +105°C
Hood Material: Formed metal with dielectric liner in hood to prevent shorting

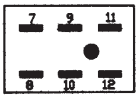
Electrical

Operating Voltage:	250 VAC RMS
Current Rating:	15 Amps
Current Resistance:	1.0 Milliohms maximum

POLARIZING PATTERNS FOR SERIES 2400

2402

2404



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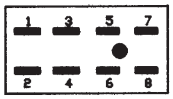

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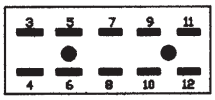
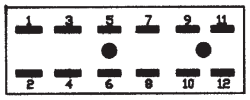


2410

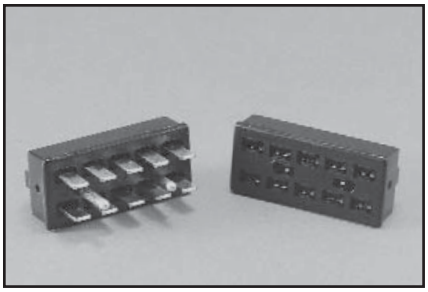


2412

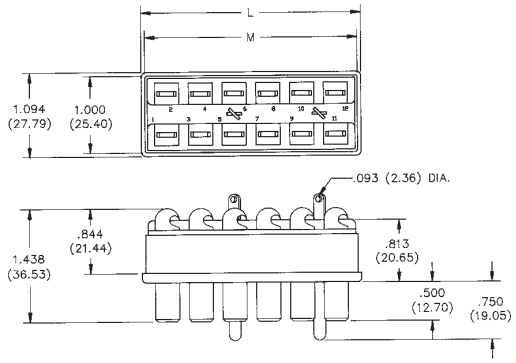
Marketed exclusively through distribution.

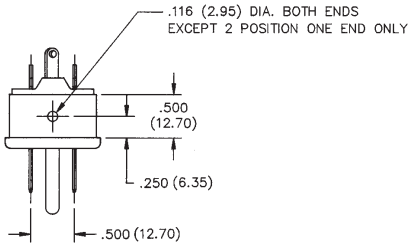
2400 Series Less Angle Bracket

No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-LAB
4	P-2404-LAB	S-2404-LAB
6	P-2406-LAB	S-2406-LAB
8	P-2408-LAB	S-2408-LAB
10	P-2410-LAB	S-2410-LAB
12	P-2412-LAB	S-2412-LAB

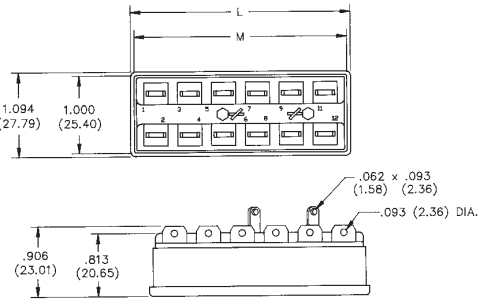


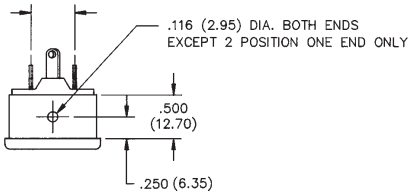
Plug





Socket





Dimensions - Plug or Socket

No. of Contacts	M in	M mm	L in	L mm
2	.563	14.29	.656	16.67
4	1.000	25.40	1.094	27.78
6	1.438	36.51	1.531	38.89
8	1.875	47.63	1.969	50.01
10	2.313	58.74	2.406	61.12
12	2.750	69.85	1.844	46.83

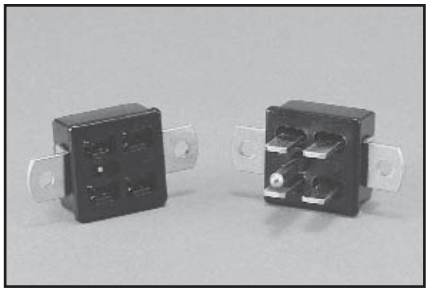
Marketed exclusively through distribution.

Call Toll Free: 1 (800) 323-9612

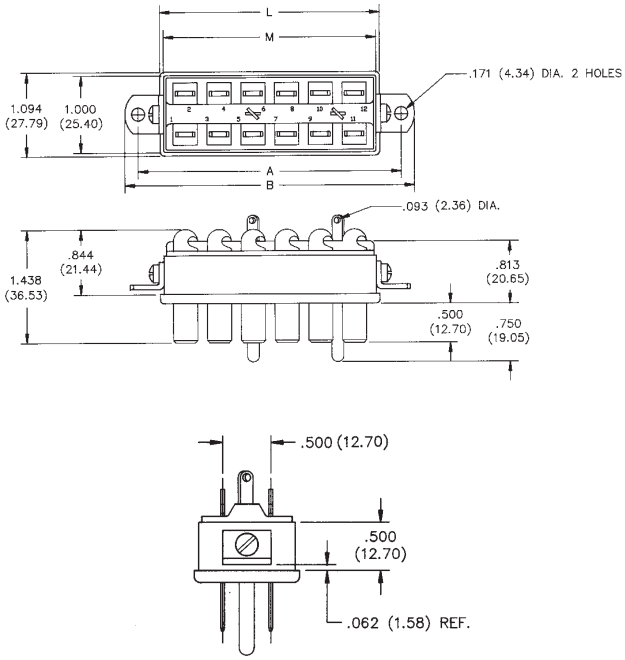
2

2400 Series with Angle Bracket

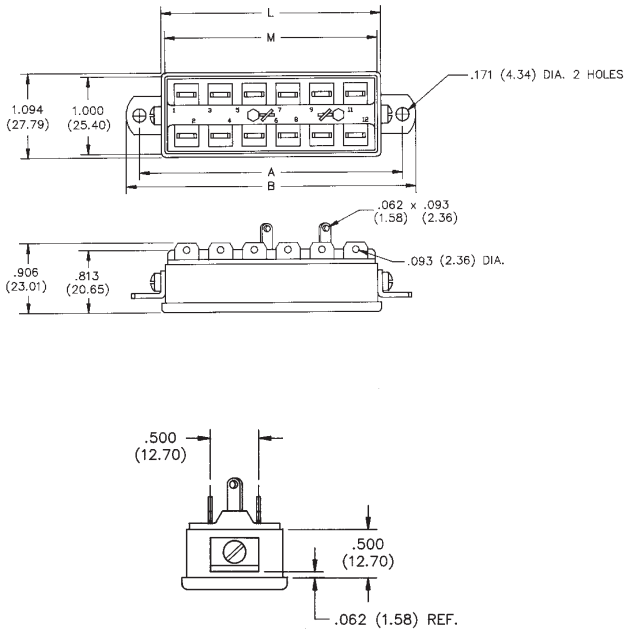
No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-AB
4	P-2404-AB	S-2404-AB
6	P-2406-AB	S-2406-AB
8	P-2408-AB	S-2408-AB
10	P-2410-AB	S-2410-AB
12	P-2412-AB	S-2412-AB



Plug



Socket



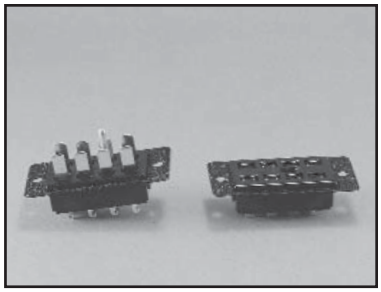
Dimensions - Plug or Socket

No. of Contacts	M in	M mm	L in	L mm
2	.563	14.29	.656	16.67
4	1.000	25.40	1.094	27.78
6	1.438	36.51	1.531	38.89
8	1.875	47.63	1.969	50.01
10	2.313	58.74	2.406	61.12
12	2.750	69.85	2.844	72.24

Panel Cutout dimensions are on page 2-61.

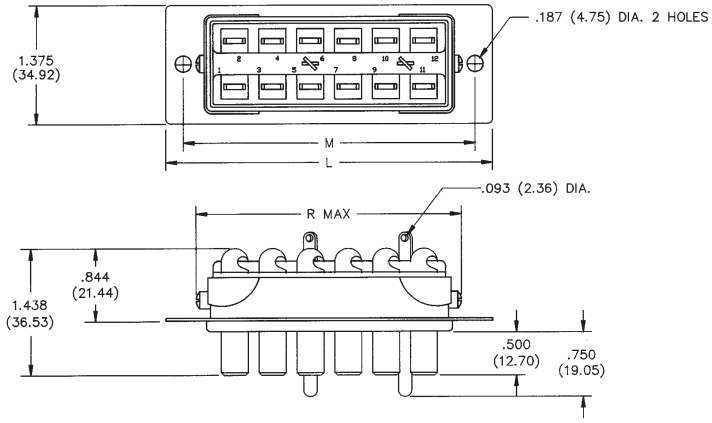
Marketed exclusively through distribution.

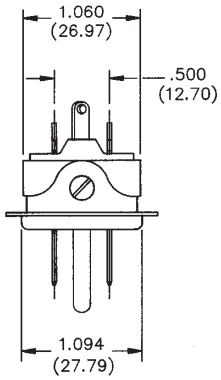
2400 Series with Shallow Bracket



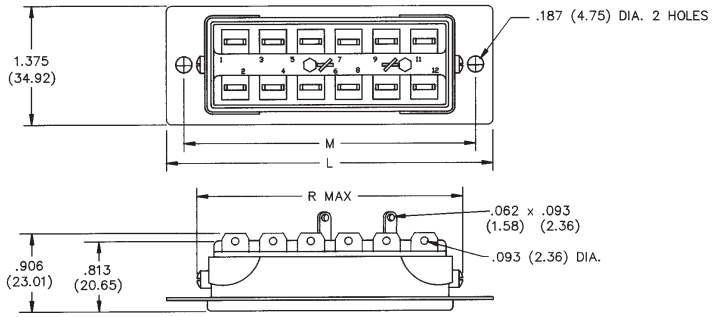
No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-SB
4	P-2404-SB	S-2404-SB
6	P-2406-SB	S-2406-SB
8	P-2408-SB	S-2408-SB
10	P-2410-SB	S-2410-SB
12	P-2412-SB	S-2412-SB

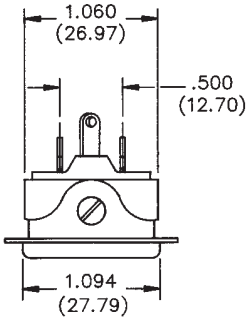
Plug





Socket





Dimensions - Plug or Socket

No. of Contacts	L		M		R. Max.	
	in	mm	in	mm	in	mm
2	1.500	38.10	1.062	26.99	1.766	19.45
4	1.937	49.21	1.500	38.10	1.234	31.34
6	2.375	60.33	1.938	49.23	1.672	42.47
8	2.813	71.45	2.375	60.33	2.109	53.57
10	3.250	82.55	2.813	71.45	2.547	64.69
12	3.688	93.68	3.250	82.55	2.984	75.80

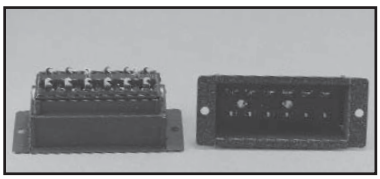
Panel Cutout dimensions are on page 2-61.

Marketed exclusively through distribution.

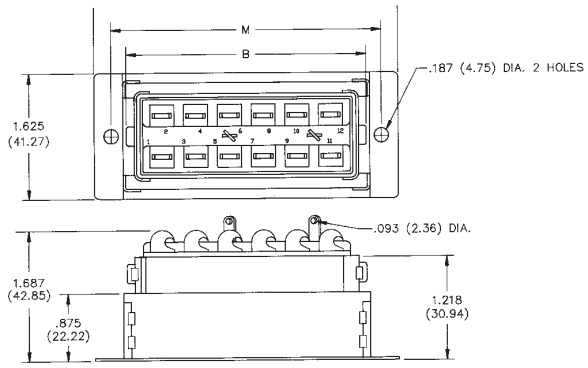
2

2400 Series with Deep Bracket

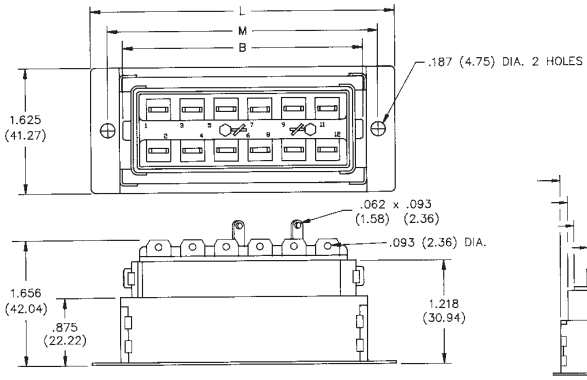
No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-DB
4	P-2404-DB	S-2404-DB
6	P-2406-DB	S-2406-DB
8	P-2408-DB	S-2408-DB
10	P-2410-DB	S-2410-DB
12	P-2412-DB	S-2412-DB



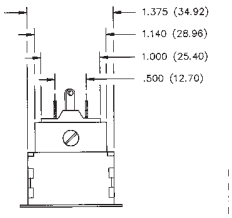
Plug



Socket



Plug or Socket



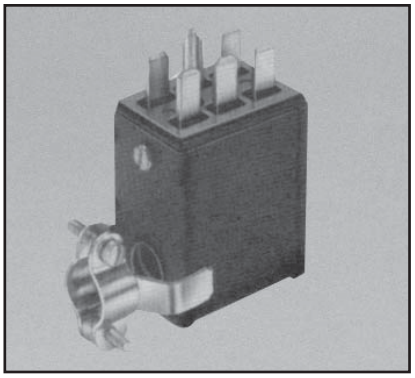
Dimensions - Plug or Socket

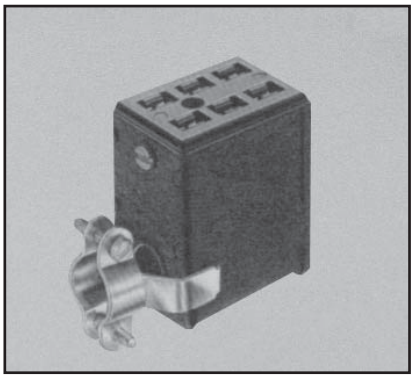
No. of Contacts	B in	B mm	L in	L mm	M in	M mm
2	.922	23.42	1.750	44.45	1.313	33.35
4	1.359	34.53	2.188	55.58	1.750	44.45
6	1.797	45.64	2.625	57.53	2.188	55.58
8	2.234	56.74	3.063	77.79	2.625	66.68
10	2.672	67.87	3.500	88.90	3.063	77.80
12	3.109	78.97	3.938	100.03	3.500	88.90

Panel Cutout dimensions are on page 2-61.

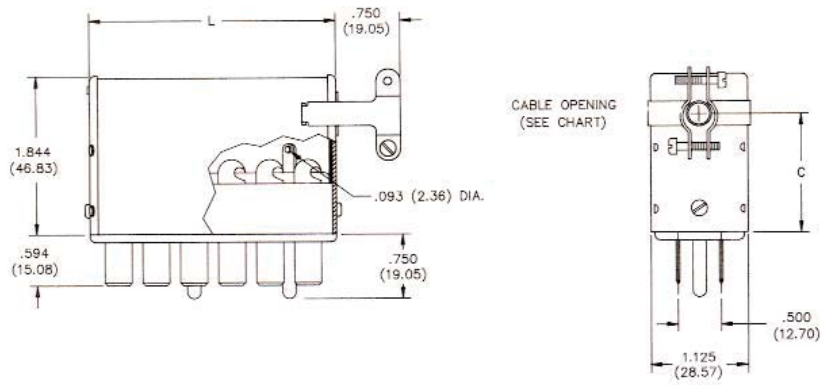
2400 Series with Hood and 90° Clamp

No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-CCE
4	P-2404-CCE	S-2404-CCE
6	P-2406-CCE	S-2406-CCE
8	P-2408-CCE	S-2408-CCE
10	P-2410-CCE	S-2410-CCE
12	P-2412-CCE	S-2412-CCE

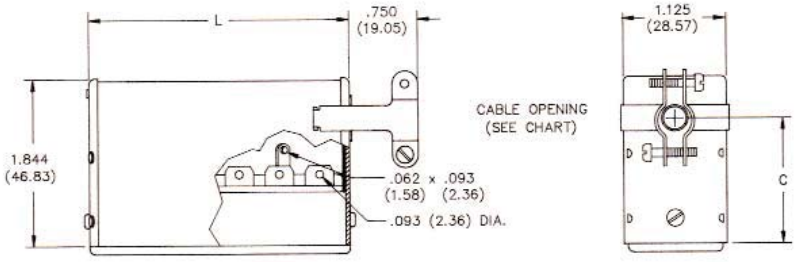




Plug



Socket



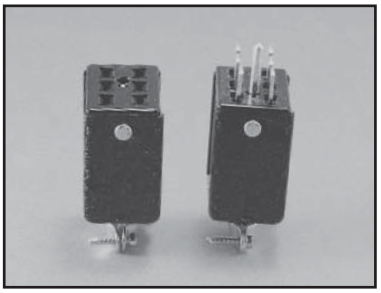
Dimensions - Plug or Socket

No. of Contacts	L		C		Cable Opening	
	in	mm	in	mm	in	mm
2	.625	15.88	1.375	34.93	.375	9.53
4	1.062	26.99	1.375	34.93	.438	11.11
6	1.500	38.10	1.375	34.93	.438	11.11
8	1.937	49.21	1.344	34.13	.563	14.29
10	2.375	60.33	1.344	34.13	.563	14.29
12	2.813	71.45	1.312	33.34	.625	15.88

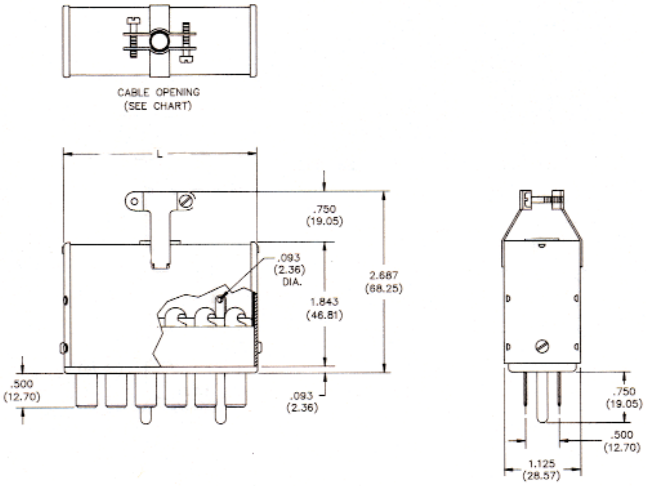
Marketed exclusively through distribution.

2400 Series with Hood and 180° Clamp

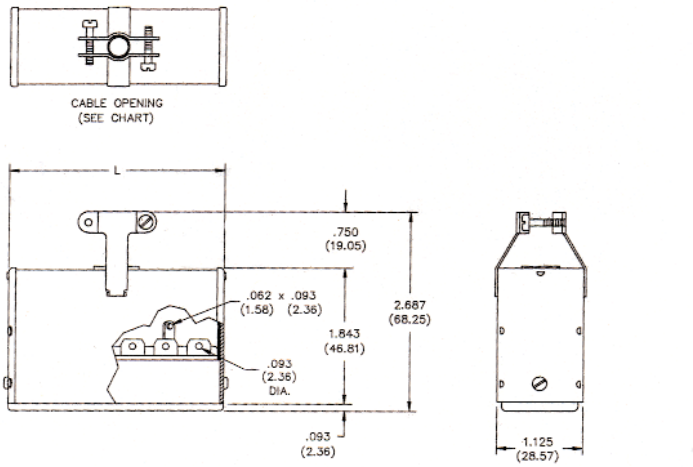
No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	N/A	S-2402-CCT
4	P-2404-CCT	S-2404-CCT
6	P-2406-CCT	S-2406-CCT
8	P-2408-CCT	S-2408-CCT
10	P-2410-CCT	S-2410-CCT
12	P-2412-CCT	S-2412-CCT



Plug



Socket



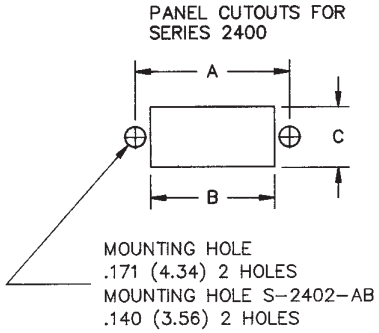
Dimensions - Plug or Socket

No. of Contacts	L in	L mm	Cable Opening in	Cable Opening mm
2	.625	15.88	.313	7.94
4	1.062	26.99	.438	11.11
6	1.500	38.10	.438	11.11
8	1.937	49.21	.563	14.29
10	2.375	60.33	.563	14.29
12	2.813	71.45	.625	15.88

Marketed exclusively through distribution.

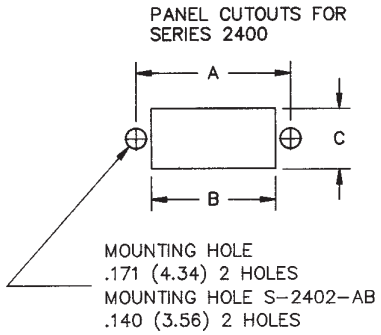
Panel Cutout Dimensions
Angle Bracket

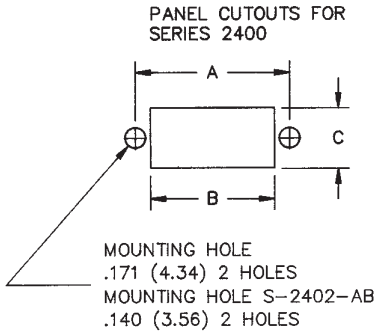
	A		B		C	
Reference	in	mm	in	mm	in	mm
P-2402-AB	--	--	--	--	--	--
S-2402-AB	1.188	30.16	1.008	25.60	1.015	25.78
P-2404-AB						
S-2404-AB	1.625	41.28	1.445	36.70	1.015	25.78
P-2406-AB						
S-2406-AB	2.063	52.40	1.886	47.83	1.015	25.78
P-2408-AB						
S-2408-AB	2.500	63.50	2.320	58.93	1.015	25.78
P-2410-AB						
S-2410-AB	2.938	74.63	2.758	70.05	1.015	25.78
P-2412-AB						
S-2412-AB	3.375	85.73	3.195	81.15	1.015	25.78



Panel Cutout Dimensions
Shallow Bracket

	A		B		C	
Reference	in	mm	in	mm	in	mm
P-2402-SB						
S-2402-SB	1.062	27.00	.813	20.64	1.156	29.37
P-2404-SB						
S-2404-SB	1.500	38.10	1.250	31.75	1.156	29.37
P-2406-SB						
S-2406-SB	1.938	49.22	1.688	42.86	1.156	29.37
P-2408-SB						
S-2408-SB	2.376	60.34	2.125	53.98	1.156	29.37
P-2410-SB						
S-2410-SB	2.812	71.44	2.563	65.10	1.156	29.37
P-2412-SB						
S-2412-SB	3.250	82.56	3.000	76.20	1.156	29.37



Panel Cutout Dimensions
Deep Bracket

	A		B		C	
Reference	in	mm	in	mm	in	mm
P-2402-DB						
S-2402-DB	1.312	33.34	.938	23.81	1.438	36.51
P-2404-DB						
S-2404-DB	1.750	44.46	1.375	34.93	1.438	36.51
P-2406-DB						
S-2406-DB	2.188	55.56	1.813	46.04	1.438	36.51
P-2408-DB						
S-2408-DB	2.624	66.68	2.250	57.15	1.438	36.51
P-2410-DB						
P-2410-DB	3.062	77.80	2.688	68.28	1.438	36.51
P-2412-DB						
S-2412-DB	3.500	88.90	3.125	79.38	1.438	36.51