

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

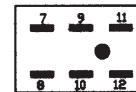
POLARIZING PATTERNS FOR  
SERIES 2400



2402



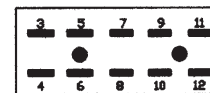
2404



2406



2408



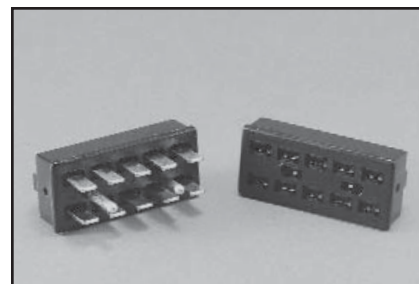
2410



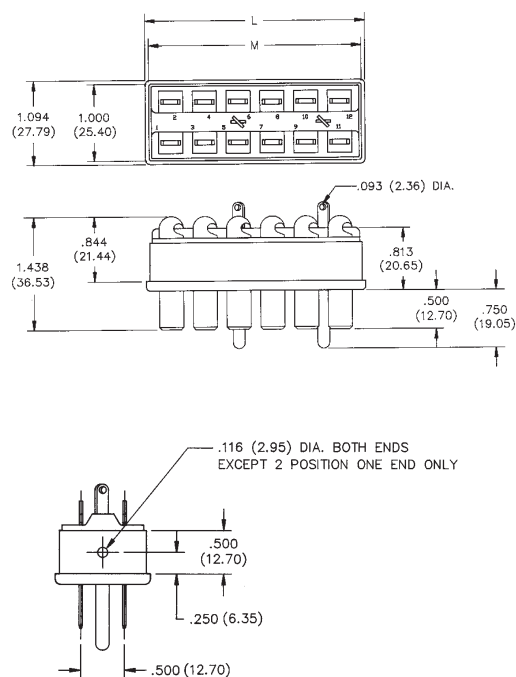
2412

**2400 Series Less Angle Bracket**

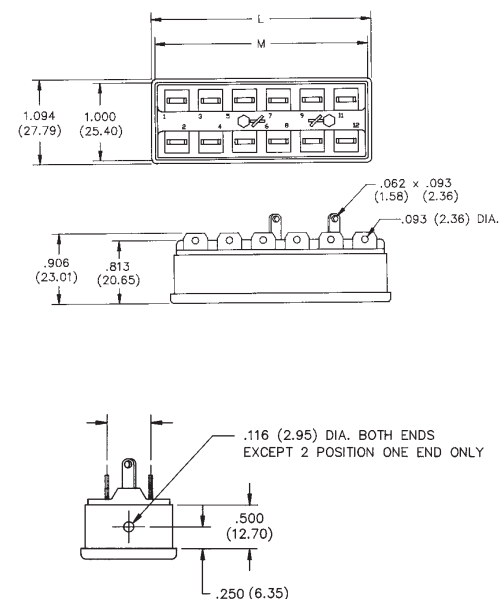
| No. of<br>Contacts | Catalog No.<br>Plug | Catalog No.<br>Socket |
|--------------------|---------------------|-----------------------|
| 2                  | N/A                 | S-2402-LAB            |
| 4                  | P-2404-LAB          | S-2404-LAB            |
| 6                  | P-2406-LAB          | 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**



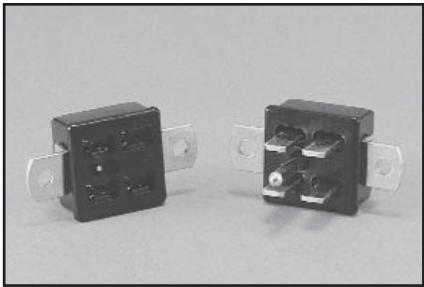
**Dimensions - Plug or Socket**

| No. of<br>Contacts | M     |       | L     |       |
|--------------------|-------|-------|-------|-------|
|                    | in    | mm    | in    | 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 |

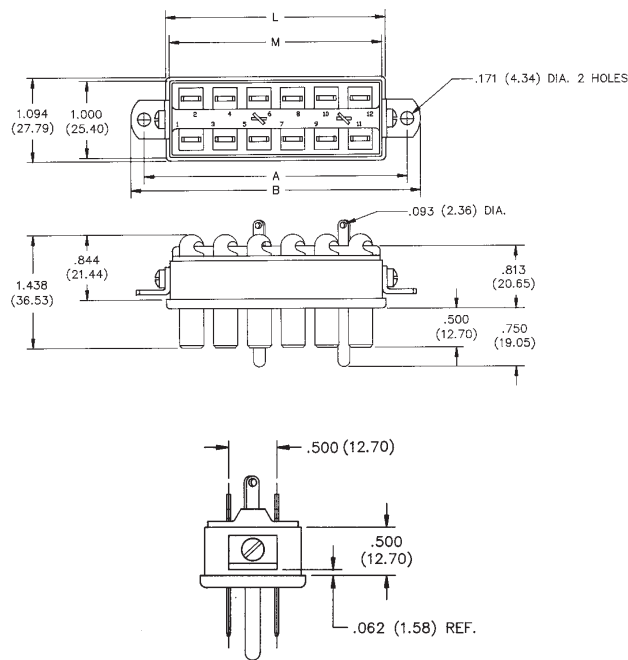
Marketed exclusively through distribution.

2400 Series with Angle Bracket

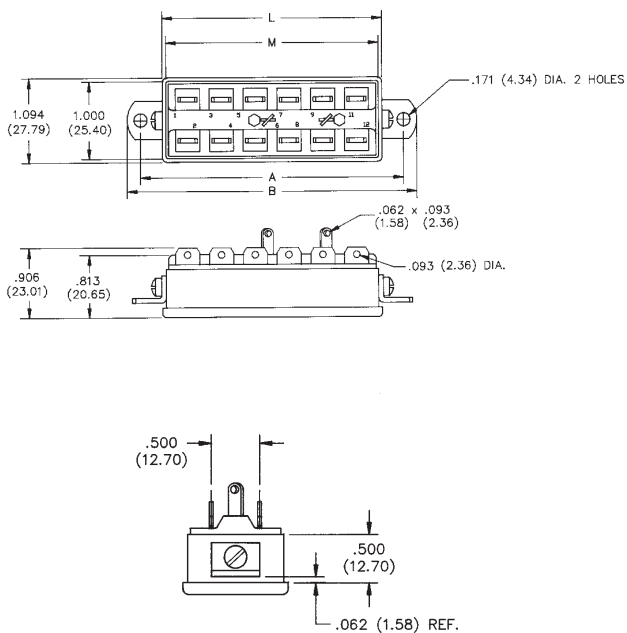
| No. of<br>Contacts | Catalog No.<br>Plug | Catalog No.<br>Socket |
|--------------------|---------------------|-----------------------|
| 2                  | N/A                 | S-2402-AB             |
| 4                  | P-2404-AB           | S-2404-AB             |
| 6                  | P-2406-AB           | 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

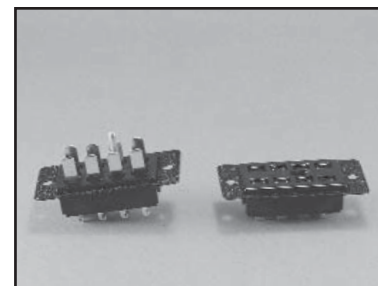
| No. of<br>Contacts | M     |       | L     |       |
|--------------------|-------|-------|-------|-------|
|                    | in    | mm    | in    | mm    |
| 2                  | .563  | 14.29 | .656  | 16.67 |
| 4                  | 1.000 | 25.40 | 1.094 | 27.78 |
| 6                  | 1.438 | 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.

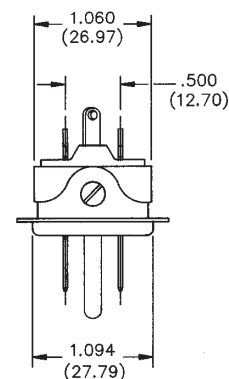
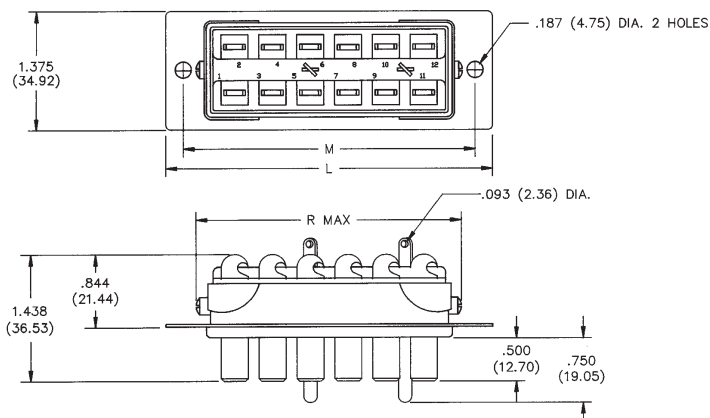
Marketed exclusively through distribution.

2400 Series with Shallow Bracket

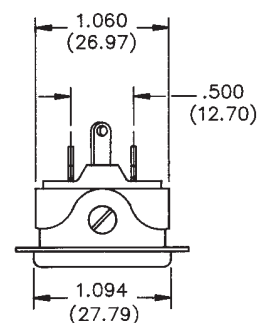
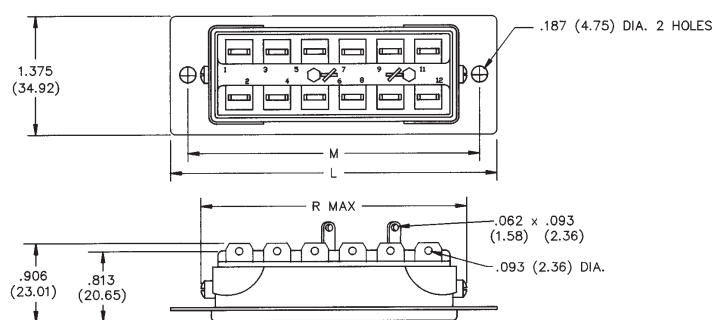
| No. of Contacts | Catalog No. Plug | Catalog No. Socket |
|-----------------|------------------|--------------------|
| 2               | N/A              | S-2402-SB          |
| 4               | P-2404-SB        | S-2404-SB          |
| 6               | P-2406-SB        | S-2406-SB          |
| 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**

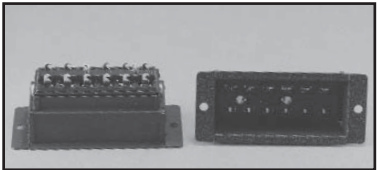
| No. of Contacts | L     |       | M     |       | R. Max. |       |
|-----------------|-------|-------|-------|-------|---------|-------|
|                 | in    | mm    | in    | mm    | in      | mm    |
| 2               | 1.500 | 38.10 | 1.062 | 26.99 | 1.766   | 19.45 |
| 4               | 1.937 | 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.

2400 Series with Deep Bracket

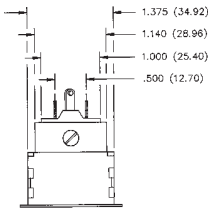
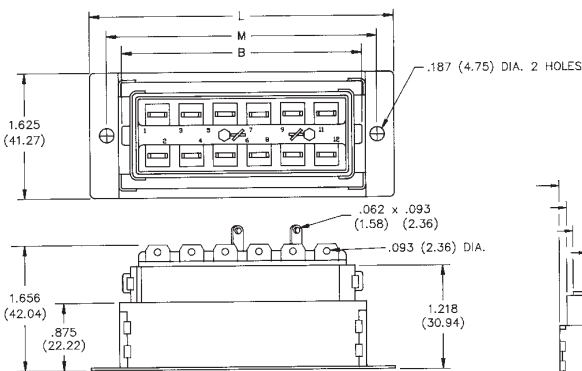
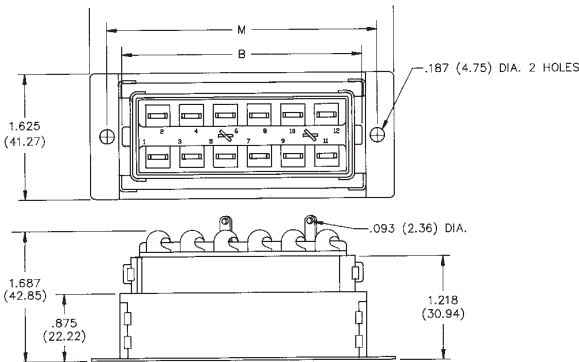
| No. of<br>Contacts | Catalog No.<br>Plug | Catalog No.<br>Socket |
|--------------------|---------------------|-----------------------|
| 2                  | N/A                 | S-2402-DB             |
| 4                  | P-2404-DB           | S-2404-DB             |
| 6                  | P-2406-DB           | 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

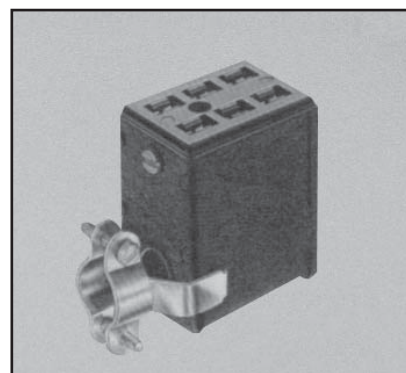
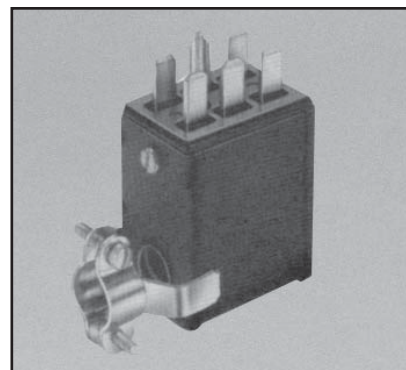
| No. of<br>Contacts | B     |       | L     |        | M     |       |
|--------------------|-------|-------|-------|--------|-------|-------|
|                    | in    | mm    | in    | mm     | in    | mm    |
| 2                  | .922  | 23.42 | 1.750 | 44.45  | 1.313 | 33.35 |
| 4                  | 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.

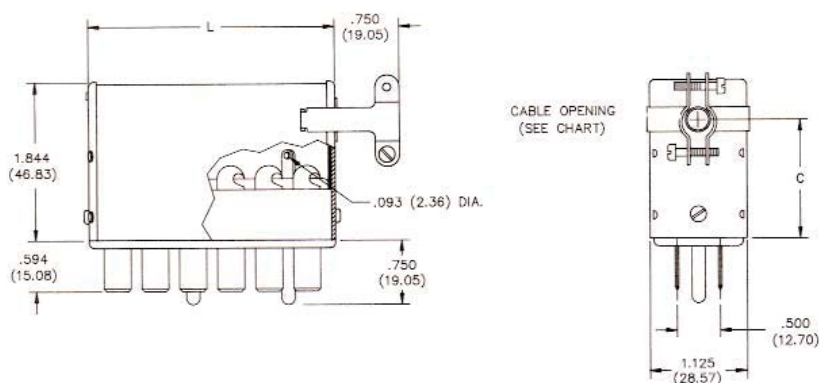
Marketed exclusively through distribution.

**2400 Series with Hood and 90° Clamp**

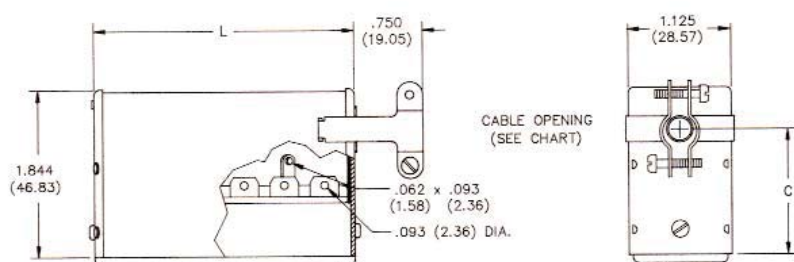
| No. of Contacts | Catalog No. Plug | Catalog No. Socket |
|-----------------|------------------|--------------------|
| 2               | N/A              | S-2402-CCE         |
| 4               | P-2404-CCE       | S-2404-CCE         |
| 6               | P-2406-CCE       | S-2406-CCE         |
|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



**Plug**



**Socket**

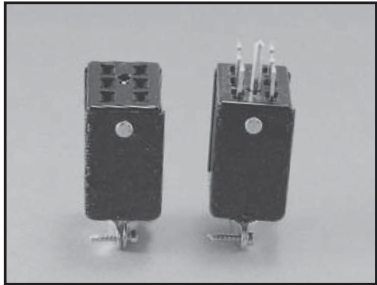


**Dimensions - Plug or Socket**

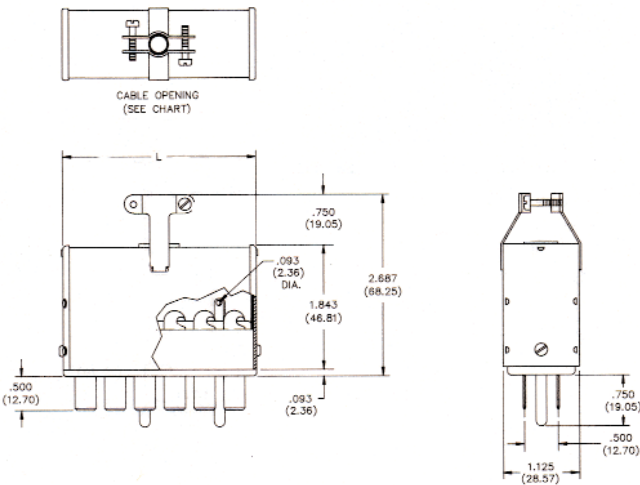
| No. of Contacts | L     |       | C     |       | Cable Opening |       |
|-----------------|-------|-------|-------|-------|---------------|-------|
|                 | in    | mm    | in    | mm    | in            | mm    |
| 2               | .625  | 15.88 | 1.375 | 34.93 | .375          | 9.53  |
| 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 |

2400 Series with Hood and 180° Clamp

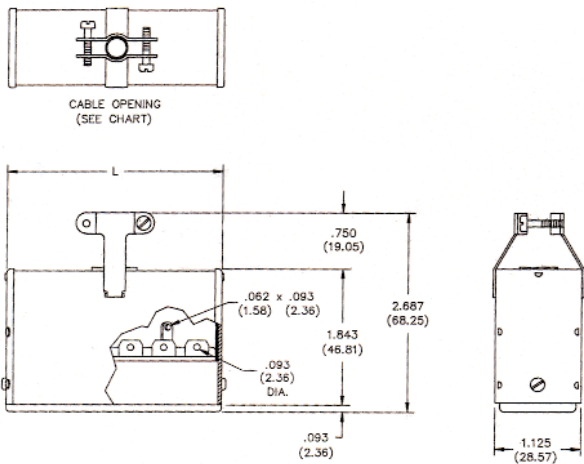
| No. of<br>Contacts | Catalog No.<br>Plug | Catalog No.<br>Socket |
|--------------------|---------------------|-----------------------|
| 2                  | N/A                 | S-2402-CCT            |
| 4                  | P-2404-CCT          | S-2404-CCT            |
| 6                  | P-2406-CCT          | 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<br>Contacts | L     |       | Cable Opening |       |
|--------------------|-------|-------|---------------|-------|
|                    | in    | mm    | in            | 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 |

**Panel Cutout Dimensions  
Angle Bracket**

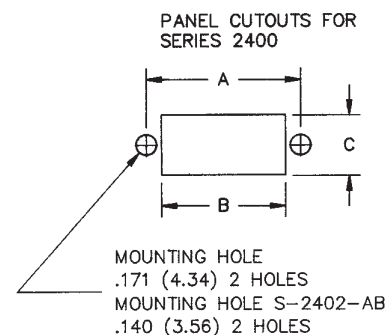
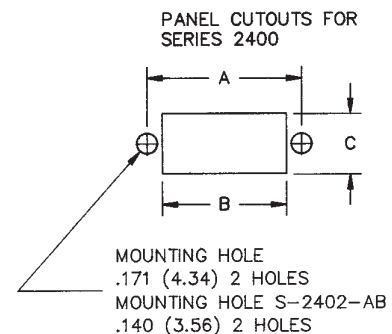
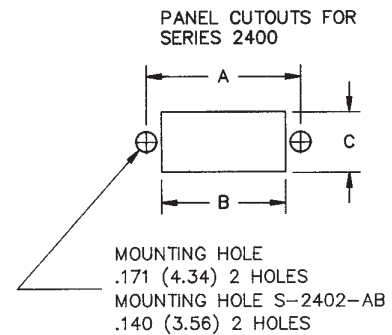
| Reference | A     |       | B     |       | C     |       |
|-----------|-------|-------|-------|-------|-------|-------|
|           | in    | mm    | in    | mm    | in    | mm    |
| P-2402-AB | --    | --    | --    | --    | --    | --    |
| S-2402-AB | 1.188 | 30.16 | 1.008 | 25.60 | 1.015 | 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**

| Reference | A     |       | B     |       | C     |       |
|-----------|-------|-------|-------|-------|-------|-------|
|           | 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**

| Reference | A     |       | B     |       | C     |       |
|-----------|-------|-------|-------|-------|-------|-------|
|           | 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 |       |       |       |       |       |       |
| S-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 |



Marketed exclusively through distribution.