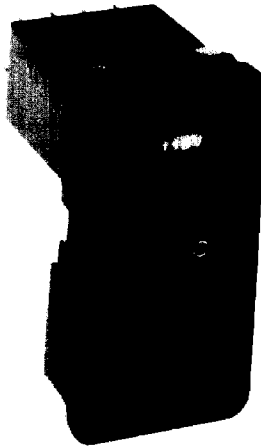


P Series

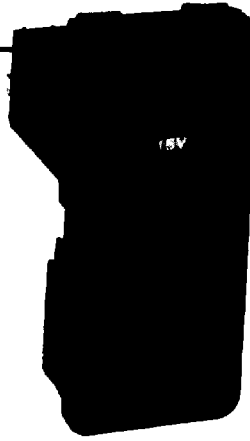
The Chameleon
Adaptable Module
For General or Medical Applications



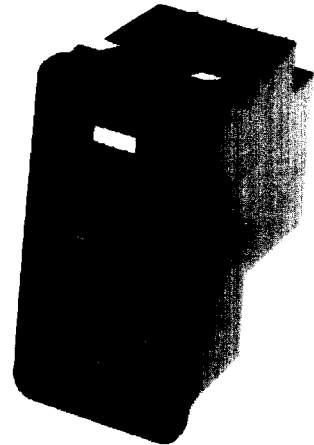
UL Recognized,
CSA Certified,
VDE Approved



PS Unfiltered



PSJ



PS Filtered

P Series

The P Series power entry module offers full flexibility of design in the most compact package.

As the first 10 amp module to provide all five power entry functions in one compact design, the "Chameleon" readily adapts to its environment and the needs of international markets.

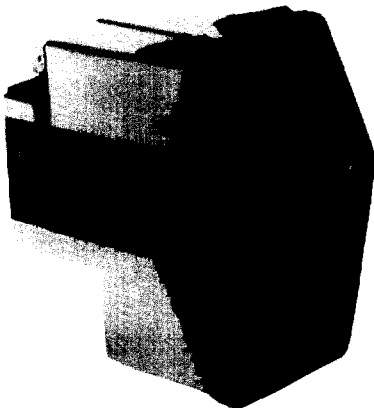
- Snap in or flange mounting
- IEC power line connector
- Both North American and European fusing capabilities
- Two voltage selection
- Optional DPST on/off switch
- Filtering options for general purpose and medical applications

The Chameleon's compact design and modular construction will allow you to select all the power entry features you require — without altering the panel cut-out. And, the Chameleon, with adapters will fit any standard panel cut-out you currently have designed.

The Chameleon has two filter options. S models offer protection for general purpose applications where line-to-ground and line-to-line noise must be controlled. The filter is designed to meet low leakage requirements of SEV and VDE portable equipment. They are available in current ratings of 3, 6, and 10 amps.

H models provide susceptibility protection without leakage current associated with line to ground capacitors. Designed to allow equipment to meet UL 544 for patient care and non-patient care equipment.

Also available is an interconnection block, B models. The block connects the voltage selection terminals of an unfiltered Chameleon with the switch and IEC connector to reduce external wiring.

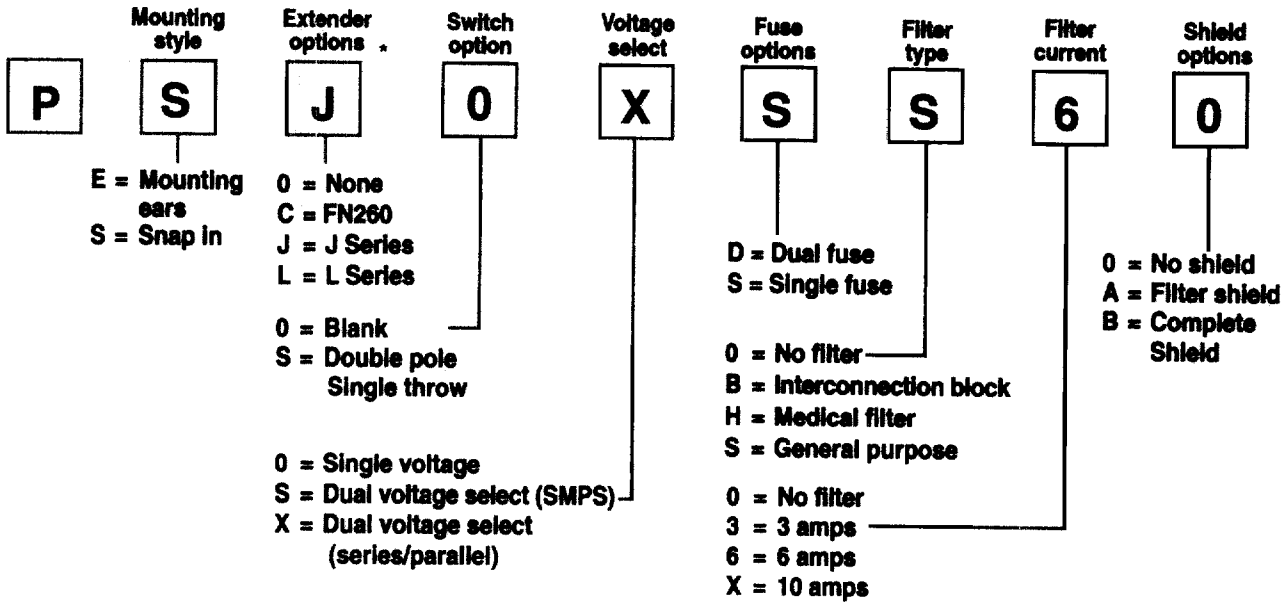


PE filter with B Shield



P Series Part Number Schematic

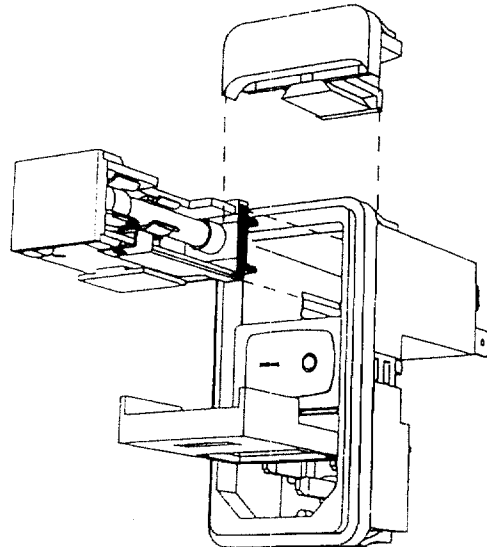
Part numbers are constructed by selecting the alpha numeric character which represents the desired feature.



The part number PSJ0XSS60 would represent the equivalent of Corcom's 6J4. The part would feature the J extender to fit the current 6J4 panel cut out, and includes no switch, dual voltage select, single fusing, and a 6 amp general purpose filter.

Price List

Part No.	Unit Price	Part No.	Unit Price
PS00S000	\$12.14	PS0XDS60	\$21.43
PS0XS000	\$15.57	PSJ0XSS60	\$19.14
PS0S0SBX0	\$18.57	PSLS0SS60	\$22.28
PS00SH30	\$19.86	PS0SXSS60	\$21.43
PS00SDH3A	\$22.00	PS0SSSX0	\$23.43
PS0S0SH60	\$21.43	PS0SSSX0	\$24.14
PS0SSDH6A	\$23.57	PE0SSS000	\$16.57
PS00SSHXA	\$23.43	PE0SSSH60	\$22.43
PS0SSSHX0	\$24.14	PE00SS30	\$20.86
PS00SS30	\$19.86	PE0S0SS30	\$23.71
PS0S0SS30	\$22.71	PE00SS60	\$19.57
PS0SSS6B	\$24.71	PE0SSSX0	\$25.14



Additional extenders which allow the P Series to adapt to Corcom's L Series cutout, as well as the panel cutout of Schaffner and Delta parts are available.

*Extenders can not be added to units with B shields.

P Series

Voltage Selection

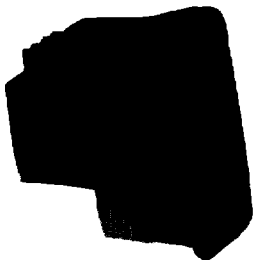
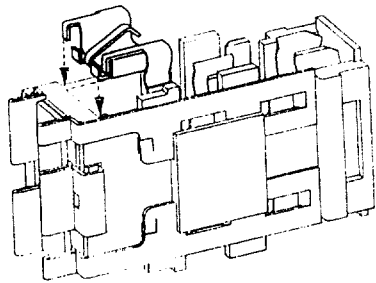
The P Series of power entry modules provides a dual voltage selector which is integrated with the fuse holder. To simplify the wiring in each individual application, Corcom provides dedicated voltage selector for different voltage selection schemes. The two most popular schemes are the parallel and serial for dual primary transformers and the "SPST switch" for switching mode power supplies (jumper types). P Series product with an "S" as the fifth digit are specifically designed for "jumper" type applications associated with switching mode power supplies.

P Series product with an "X" as the fifth digit are specifically designed for dual primary transformer applications. The voltage selector installed will allow proper wiring from these applications. No matter what voltage selection scheme is used, wiring is always made to the same four terminals.

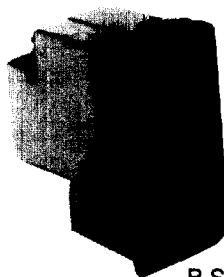
Fuse Holder

Another feature of the P Series power entry module is a versatile fusing arrangement. Its fuse holder can hold two 1/4" x 1-1/4" or 5x20mm fuses, it can also be converted to accepting one fuse with a conversion clip that bridges one of the two fuse chambers.

The conversion clip is installed on the Chameleon power entry modules set for single fusing, those with part numbers with an "S" as the sixth digit. These units can be modified for dual fusing by removing the conversion clip. Units with a "D" as the sixth digit do not include a conversion clip but may be modified by ordering a separate conversion clip, Corcom part number PA200, and installing it per instructions.



A Shield



B Shield

Interconnection Block

Installation of the unfiltered versions of the P series involves wiring of the IEC socket to the switch and the switch to the fuseholder. Labor can be eliminated by ordering the product with an interconnection block. This feature, designated by a BX in the seventh and eighth digits, prewires the module for easier installation. The wiring is protected with the plastic case to prevent access to the terminals and connections.

Wiring can be further simplified by ordering a PA100 connector assembly. See page 97 for accessories.

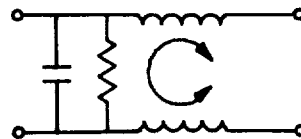
The dimensions of this alternative are the same as the filtered versions.

Filter Options

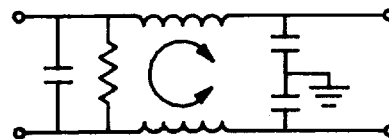
Two filtering options are available in three current ratings. S Models (those with S as the seventh digit) provide general purpose filtering for both line-to-ground and line-to-line noise. The increased inductance of the P Series allows better performance than most power entry modules on the market. The S Models will generally allow compliance with FCC limits for linear power supplies.

The H models greatly reduce line-to-ground capacitance in compliance with UL 544 low leakage current specification.

H Model



S Model



Shield

A new feature available on the P Series is an RF shield. The metal shield, available on filtered models, provides shielding from radiated emissions and provides an additional RF ground for the filter to the case.

The shield is available in two options, a shield of the filter components (designated by A as the ninth digit) and a complete shield (designated by B as the ninth digit).

The A shield of filter components covers the filter portion of the module and increases performance of the filter by protecting the components from radiated noise. This shield improves RF ground connection to the case while still allowing the use of the Chameleon extenders.

The B shield covers the entire power entry module with metal protecting the equipment from all radiated noise. The shield, used with the filter, provides the most secure protection from RFI noise problems. The B shield can not be used with any extenders.

Specifications — Nonfiltered Models

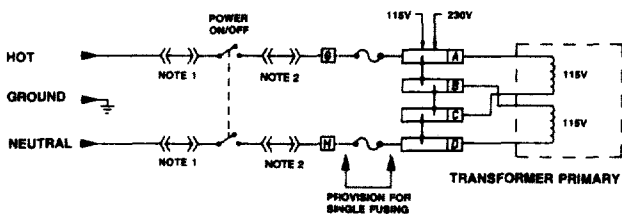
Hipot rating (one minute):	
line-to-ground	1500 VAC
line-to-line	1450 VDC
Operating frequency:	50/60 Hz
Rated voltage:	120/250 VAC
Rated Current all nonfiltered models:	
	10A @ 120 VAC
	10A @ 250 VAC
Operating Voltages:	
selectable or fixed	115/230 VAC
Fuseholder:	
Accepts one or two fuses	1/4" x 1-1/4" or 5 x 20 mm
Conversion clip provided on fuseholder for single fuse models	
Switch:	Double-insulated rated for 10,000 operations at full load. 51 amp inrush capability
Terminals:	0.187" x 0.032" faston tabs

Specifications — Filtered Models

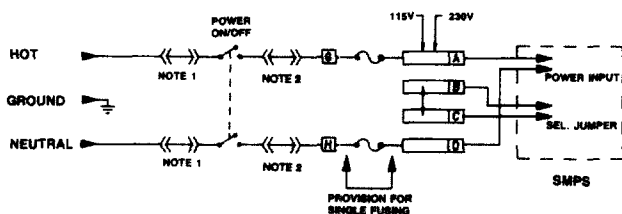
Maximum leakage current, each line-to-ground	
@ 120 VAC 60 Hz:	H models 2 μ A
	S models 0.25 mA
@ 250 VAC 50 Hz:	H models 5 μ A
	S models 0.50 mA
Hipot rating (one minute):	
line-to-ground	1500 VAC
line-to-line	1450 VDC
Operating voltages:	
selectable or fixed	115/230 VAC
Operating frequency:	50/60 Hz
Rated voltage:	120/250 VAC
Conversion clip provided on fuseholder for single fuse models	
Switch:	Double-insulated rated for 10,000 operations at full load. 51 amp inrush capability.
Terminals:	0.187" x 0.032" faston tabs

Voltage Selection Schemes

1) Dual Primary Transformer Type:



2) Jumper Type:



Note 1: Jumpers are required if a filter or interconnection module is not used.

Note 2: Location of optional filter. Jumpers are required if a filter or interconnection module is not used.

Minimum Insertion Loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency MHz								
	0.03	0.10	0.15	0.5	1	3	5	10	30
H Models									
3 amps	7	17	21	27	30	29	26	23	15
6 amps		8	11	15	17	19	18	16	13
10 amps		3	5	8	10	12	11	11	10
S Models									
3 amps	7	17	21	27	33	40	44	50	32
6 amps		8	12	17	23	32	36	44	30
10 amps		3	5	10	13	23	27	35	27

Line-to-line in 50 ohm circuit

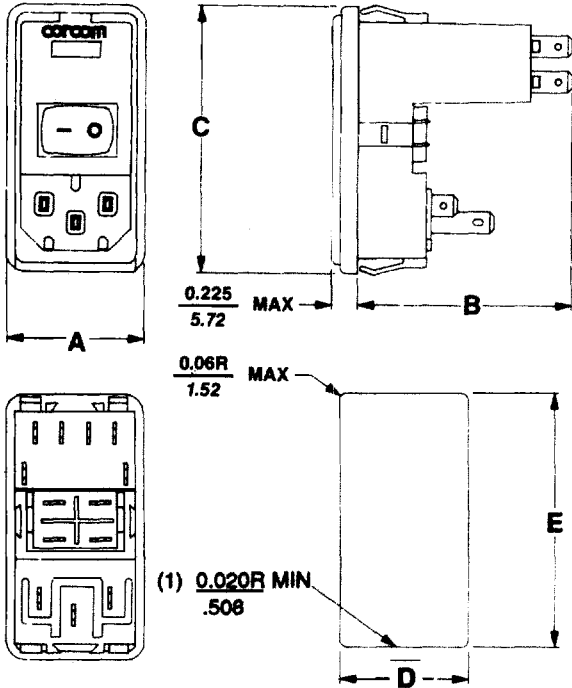
Current Rating	Frequency MHz							
	0.10	0.15	0.5	1	3	5	10	30
H Models								
3 amps	2	4	12	18	31	40	48	41
6 amps	2	4	12	16	26	35	40	35
10 amps	2	4	12	16	26	33	40	32
S Models								
3 amps	2	4	12	15	30	48	50	45
6 amps	2	4	12	15	22	42	55	45
10 amps	2	4	12	15	22	42	55	45

P Series

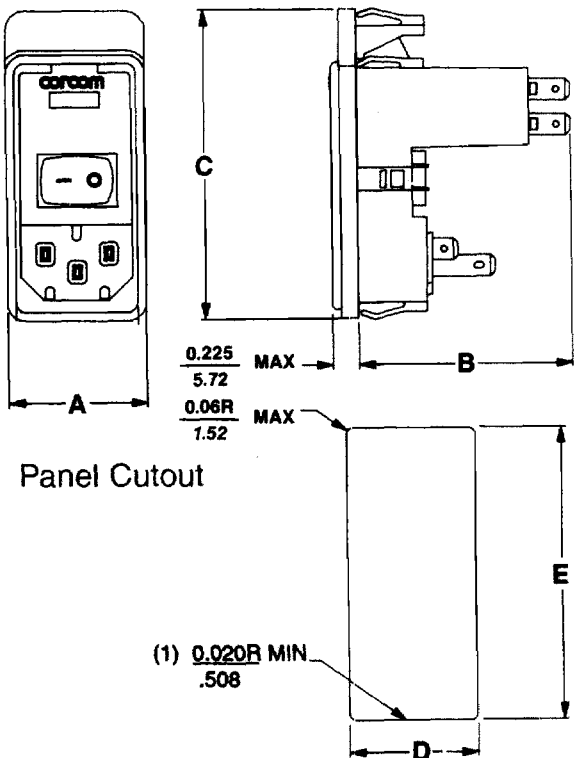
Case Styles

Metric shown in italics.

PS/PSL - Unfiltered



PSC/PSJ - Unfiltered



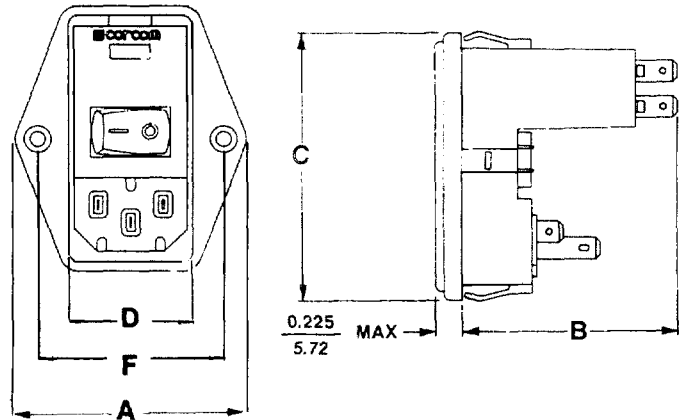
Case Dimensions

	A	B	C	D	E	F
Unfiltered (max)	(max)	(max)	(max)	(.008-.000)	(.008-.000)	
PE	1.98 <i>50.29</i>	1.93 <i>49.02</i>	2.31 <i>58.67</i>	1.122 <i>28.50</i>	2.201 <i>55.91</i>	1.575 <i>40.0</i>
PS	1.24 <i>31.49</i>	1.93 <i>49.02</i>	2.31 <i>58.67</i>	1.060 <i>26.93</i>	2.201* <i>55.91</i>	
PSC	1.24 <i>31.49</i>	1.93 <i>49.02</i>	2.51 <i>63.75</i>	1.06 <i>26.92</i>	2.52 <i>64.01</i>	
PSJ	1.24 <i>31.49</i>	1.93 <i>49.02</i>	2.72 <i>69.09</i>	1.06 <i>26.92</i>	2.60 + <i>66.0</i>	
PSL	1.24 <i>31.49</i>	1.93 <i>49.02</i>	2.31 <i>58.67</i>	1.12 <i>28.45</i>	2.201* <i>55.91</i>	

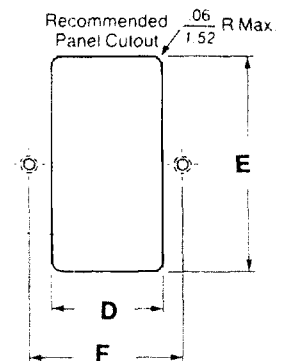
* Panel cutout for thickness of .031-.079 (0.8 - 2.0) for panel thickness at .083-.114 (2.1-2.9) use 2.213 (56.21).

+ Panel cutout for thickness of 0.060-0.090.

PE



Panel Cutout



(1) For snap-in applications, the D sides of the cutout must have a .020 (.508) radius on the installation side.

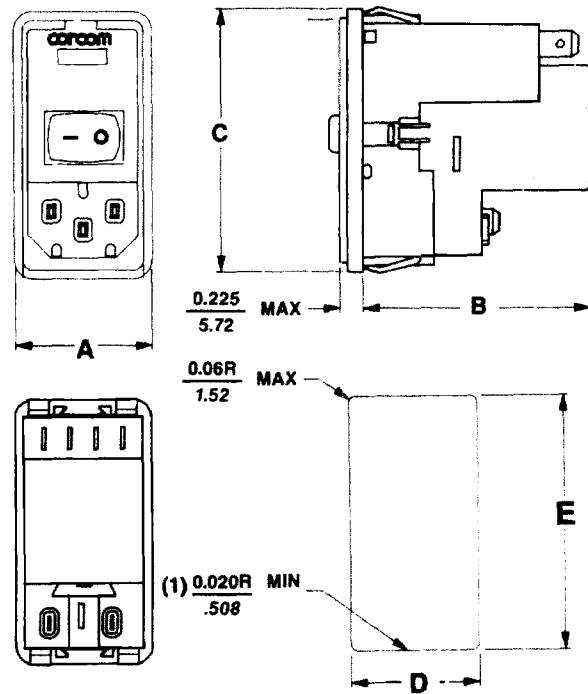
Note: Snap-in models allow front mounting only.
PS not recommended for plastic panels.

Mounting holes $\frac{125}{318}$ Dia. (2)
Countersunk holes

Case Styles - Filtered

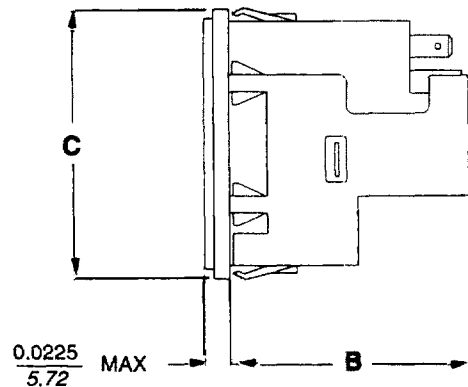
Metric shown in Italics

PS

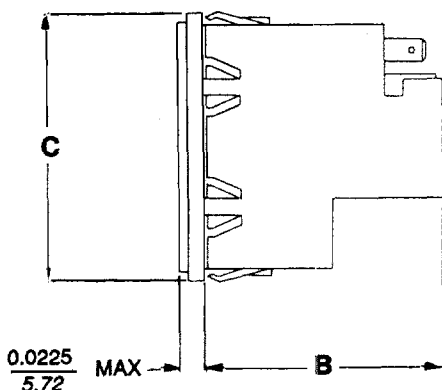


PS not recommended for plastic panels.

PS/PE with A Shield



PS/PE with B Shield



Case Dimensions

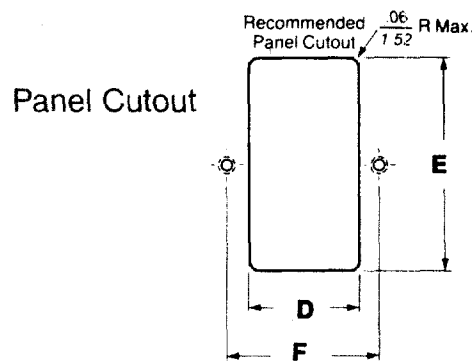
Filtered	A (max)	B (max)	C (max)	D (.008-.000)	E (.008-.000)	F
PE	$\frac{1.98}{50.29}$	$\frac{2.13}{54.10}$	$\frac{2.31}{58.67}$	$\frac{1.122}{28.50}$	$\frac{2.201}{55.91}$	$\frac{1.575}{40.0}$
PS	$\frac{1.24}{31.49}$	$\frac{2.13}{54.10}$	$\frac{2.31}{58.67}$	$\frac{1.060}{26.93}$	$\frac{2.201^*}{55.91}$	
PSC	$\frac{1.24}{31.49}$	$\frac{2.13}{54.10}$	$\frac{2.51}{63.75}$	$\frac{1.060}{26.92}$	$\frac{2.52}{64.01}$	
PSJ	$\frac{1.24}{31.49}$	$\frac{2.13}{54.10}$	$\frac{2.72}{69.09}$	$\frac{1.060}{26.92}$	$\frac{2.60^+}{66.0}$	
PSL	$\frac{1.24}{31.49}$	$\frac{2.13}{54.10}$	$\frac{2.31}{58.67}$	$\frac{1.12}{28.45}$	$\frac{2.201^*}{55.91}$	

* Panel cutout for thickness of .031-.078 (0.8 - 2.0) for panel thickness at .083-.114 (2.1-2.9) use 2.213 (56.21).
+ Panel cutout for panel thickness of 0.060-0.090.

For shielded models use PSL dimensions.
Shields can be used only with filtered models.
Shields add approximately 0.06" to depth.

B Shield may not be used with J or C extenders.

PE



(1) For snap-in applications, the D sides of the cutout must have a .020 (.508) radius on the installation side.

For easy wiring connection, see accessories PA100 and PA101 on page 107.