

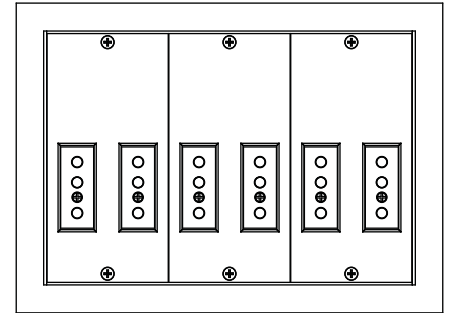
450 SERIES MODULAR PLUG BOXES

Plug-in Boxes are wiring devices containing the number of pigtails or outlets as specified and required for each application. Normally mounted to a wall or pipe these devices are used to convert multi-conductor cable or conduit fed wires to single circuit connectors.

Altman Lighting's 450 series power and data distribution make the perfect addition to any space needing a clean and elegant solution to theatrical power and data needs.

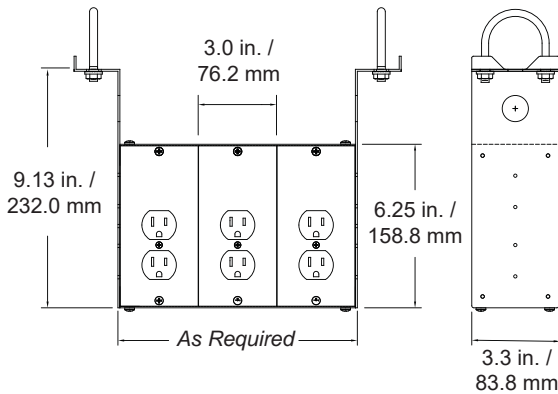
Product Features:

- Available in multiple of sizes and configurations
- 18 gauge steel enclosure provided with a several knock outs on each side of the back box
- All mounting hardware included with pipe-mount devices
- Flush mounted receptacles or 18" pigtails
- Pigtails boxes provided with DIN rail spring type terminals, flush mount boxes wire directly to the receptacle.
- 1-inch die-cut white numbering standard. Other labeling options are available - consult factory.
- PBU and PBO provided with U-bolt clamps, pipe clamp is optional.
- Baked epoxy sandtex, electrostatic application finish
- cETLus listed
- Proudly made in the USA

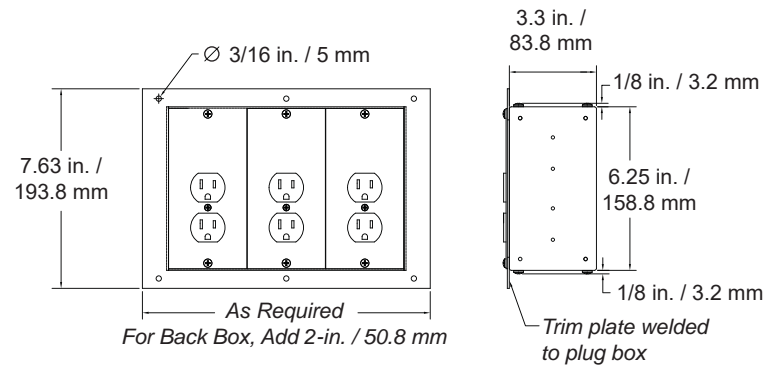


450-PBR-3-2PGFLDUP
Example Shown

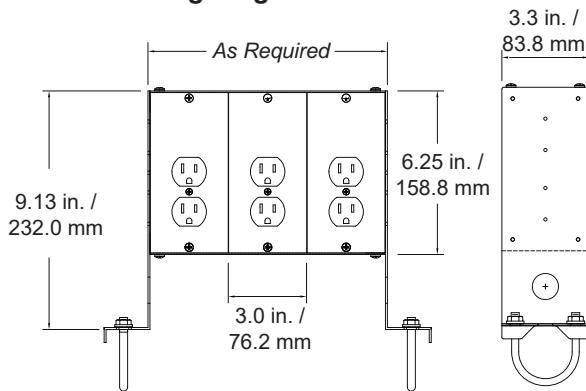
450-PBU* Under Hung Plug Box



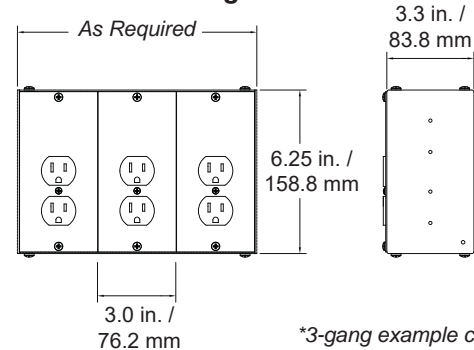
450-PBR* Recessed Plug Box



450-PBO* Over Hung Plug Box



450-PBS* Surface Mount Plug Box



*3-gang example configurations shown. Plug Boxes built to order.

As Required Box Lengths	
1 Gang	= 3.156 in. / 80.2 mm
2 Gang	= 6.156 in. / 156.4 mm
3 Gang	= 9.156 in. / 232.6 mm
4 Gang	= 12.156 in. / 308.8 mm
5 Gang	= 15.156 in. / 385.0 mm
6 Gang	= 18.156 in. / 461.2 mm



Modular Plug Box Ordering

Outlet Box Order Examples:

Example 1...

Model Number: **1-450-PBS-4-2PGFL**

Above is the basic format of the model number. The above example is one each, 450 Series Plug Box, Surface Mount, with four flush mounted stage pin connectors in black finish. This type of order will not require a submittal drawing.

Example 2...

Model Number: **1-450-PBS-4-2PGFL-HW-1-DMXDC-1-XLR5-SDR**

The above example is same as Example 1 with an added DMX output. This type of order will require a submittal drawing.

Additional Circuits and Connector Types

For additional circuits and connector types on the same plug box, the basic format is the same, except group circuit quantity, connector quantity, and connector types in parenthesis () to avoid confusion.

Circuits Other Than 15A / 20A

Maximum amperage of circuit is identified by the connector type in Connector Types (*refer to the column to right*). Terminal blocks and wire sizes will meet the rating of the connector type chosen.

Data / DMX in 450 Series Modular Plug Boxes

Select data quantity (universes), type, number of panels, and input/output option.

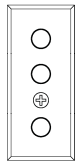
Additional Ordering Information

- 450 Series minimum connector spacing is 3 inches.
- Where a mechanical splice must occur, connector location will be moved a maximum of 6 inches.
- Connectors and pigtails will be spaced evenly from center line outward unless otherwise specified by submittal or layout drawings.
- Submittal Drawings: If Submittal Drawings are required, add suffix "SDR" to the end of the ordering code. **IMPORTANT! Job name, location and project manager information are required. Allow at least a two-week lead time for submittal drawings.**
- Numbering: Standard numbering is 1-inch / 25.4 mm high vinyl on upstage side of plug box. For additional numbering options, please consult the factory.

Modular Plug Box Options

Connector Types

Code	Description
2PGFL	20A Stage Pin, Flush
2PGPT	20A Stage Pin, 18-inch Pigtail
302PGFL	30A Stage Pin, Flush
302PGPT	30A Stage Pin, 18-inch Pigtail
602PGFL	60A Stage Pin, Flush
602PGPT	60A Stage Pin, 18-inch Pigtail
515R	15A Female Edison, Flush
515DUP	15A Female Edison, Duplex, Flush
515PT	15A Female Edison, 18-inch Pigtail
520R	20A Female Edison, Flush
520DUP	20A Female Edison, Duplex, Flush
520PT	20A Female Edison, 18-inch Pigtail
L515R	15A, 125V Female Twist Lock, Flush
L515PT	15A, 125V Female Twist Lock, 18-inch Pigtail
L520R	20A, 125V Female Twist Lock, Flush
L520PT	20A, 125V Female Twist Lock, 18-inch Pigtail
L620R	20A, 250V Female Twist Lock, Flush
L620PT	20A, 250V Female Twist Lock, 18-inch Pigtail
20MPB	20A Female PowerCON, Flush
20FCBT	20A Female PowerCON, 18-inch Pigtail
30MPHC	32A Female PowerCON, Flush



Stage Pin



15A Edison

20A Edison



Twist Lock Example



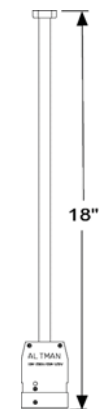
PowerCON Example

Input Types

Code	Description
HW	Hard Wire Access (Standard)
XLR	5-pin XLR, In / Out

System Types

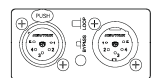
Code	Description
DMXDC	DMX Passive-Terminal Block Input
DMXOS	DMX 4-Way Opto-Isolated Splitter
RDMOS	RDM 4-Way Opto-Isolated Splitter
NETDC	Ethernet Card



18-inch Pigtail Example

Output Connector Types

Code	Description
XLR5	DMX 5-pin Female XLR
BPS	DMX Bypass Switch Module
RJ45	Ethernet RJ45



BPS - DMX Bypass Switch