



STANDARD PLENUM RATED EQUIPMENT BOXES

Meeting NEC & UL 2043 Code Requirements for the Installation of Equipment and Power in the Plenum or Ceiling Space

DESIGN

It's 14" x 14" and almost 5" high allow many different types and sizes of equipment to be installed inside its extremely Strong Aluminum Interior. For example, some of the many products from Companies such as Crestron®, AMX®, Altec Lansing Commstar®, Extron® and all Nigel B Products etc, have been Installation Tested



HEAVY DUTY POLE MOUNT BRACKET

The Heavy Duty NB-PEBPM Pole Mount used in the Pole Mount Version of the Plenum Box has been engineered to take weights in excess of 150 lbs.

FLAT SURFACE/HANGING MOUNT

The NB-PLWB comes with a Flat Surface/Wall Mount, allowing the Plenum Equipment Box to be attached to any Flat Surface or Suspended using our NB-PLHK Hanging Kits, which are UL/CSA rated to 100 lbs.

THE PLENUM EQUIPMENT BOX

The Box itself is not load restricted. All the weight is carried by the suspension method used (Pole or Cables). Made from .060" Aircraft Grade Aluminum it will safely hold 50 lbs of installed Equipment.



1 1/2" Heavy Duty Pole Mount is engineered to hold approx 150 lbs
Flat Surface or Wall Mount

NB-PLHK
Optional Hanging Kit
is UL & CSA Listed



Model NB-PLWB
Plenum Equipment Box
with Flat Surface Mount
attached

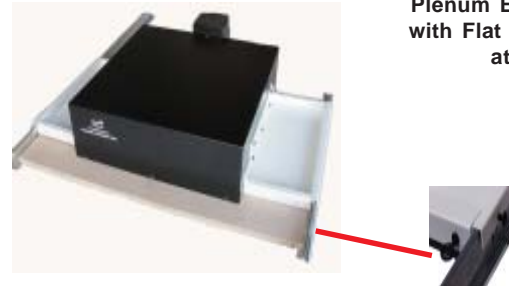
USING OUR NEW CEILING TILE SUPPORT BRACKETS

- Eliminates the need for a separate Ceiling Tile Kit
- Reduces costs by reducing installation time

The Ceiling Tile Supports, when attached to our Plenum Equipment Boxes, eliminates the need for a separate Ceiling Tile Kit. Fixing the Support Brackets to the Plenum Equipment Box, is a simple matter of screwing six screws. The entire assembly then sits on the Ceiling Tile Grids. For additional support the Installer should attach the supplied Hanging Kit Cables to either the Plenum Equipment Box itself or directly to the Supports.



Ceiling Tile Supports



Plenum Equipment Box shown fitted with Supports sitting on Grid Frame

WIRING AND CABLE ENTRY

More than enough Wiring and Cable Entry and Exits Ports are provided. For the Pole Mount Version, most Cables are run inside the Pole. In addition 1 Port is for Power and an additional one is available for other uses. For the Flat Surface Mount/Hanging version, one is used for Power and two additional ports are available for connection to additional 1/2" conduits.



Power Outlet
Built In
(see Over)

Pole Mounted Plenum Box

Need more outlets for your equipment?
(see solutions on next page)



Cover is easily removed
for access at any time

Interior Views
showing some
equipment installed



Power Outlet
Built In
(see Over)

Flat Surface/Hanging Plenum Box

COOLING THE INSTALLED EQUIPMENT

We use Conventional Cooling Methods for cooling. The Pole Mount version allows air intake through the bottom of the Pole and exhausts any warm air from the Plenum Box through the top of the pole. Slots in the top and bottom of the Flat Surface Mount allow air to pass through the unit. This we call the Chimney Effect which allows the inside of the Plenum Box to remain cool.

Please turn over for Pricing and other Information

In order to meet NEC and State Code regulations, it is important to understand the main parts of the Code that regulate how equipment and wiring can be installed in a Plenum or Ceiling Space.

NEC ARTICLE 400-8 and 400-8(5).....page 219 of the code states: That Flexible Cords and Cables are not permitted to be run through Walls, Structural ceilings, Suspended Ceilings, or Dropped Ceilings. In addition the revision to 400-8 specifically prohibits these cords being used without being properly enclosed. Regulations also prohibits the Installation of open Power Outlets in these spaces.

Our Plenum Box encloses all Wiring and Cables including the Power Recepticle meeting all NEC Code Requirements

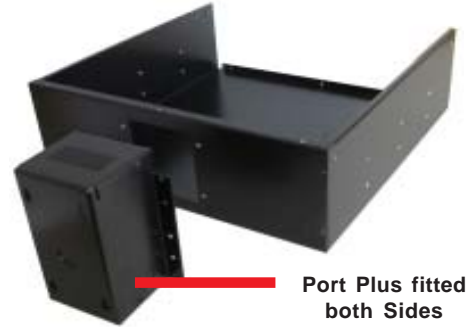
To Ceiling Speakers



The Supplied Power Outlet is

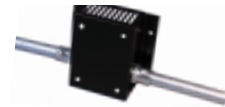


installed **Inside** all Plenum Boxes to meet NEC Code Requirements



Port Plus fitted both Sides

Need more outlets for your equipment?



By removing the Port Plugs, standard 1/2" Conduct can be used to provide Cable Entry & Exit Points

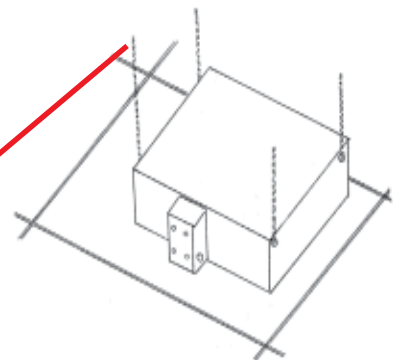
Power Supply to Projector

Line In to Amplifier



Eye Bolts are attached to each corner of the Plenum Box

The Hanging Kit is UL & CSA Listed and is rated with a safe working load of 100 lbs



Hanging Plenum Box Installation

Pole Mount Installation



CONTROLLING NIGEL B AMPLIFIERS

Our Standard Amplifiers are usually controlled using the Projector's Remote, our Plus Series Amplifiers have an RS 232 Port, enabling them to be controlled by an AMX® or Crestron® or similar Touch Screen

IF YOU NEED TO INSTALL THE PLENUM EQUIPMENT BOX BELOW THE CEILING TILES

Because the Pole Mounted Plenum Box uses standard 1 1/2" Pipe fittings, the equipment box can be attached to the Projector's Pole

SPECIFICATIONS

Interior Dimensions: 14" x 14" x 4.75 High. Weight: 5 lbs



Click on CAD Button on Main Screen to Download CAD images in both DWG and pdf Formats

Part #	Description	Price
NB-PLWB	14" x 14" Plenum Equipment Box, Surface/Hanging Version	\$299.95
NB-PEBPM	14" x 14" Plenum Equipment Box, Pole Mount Version	\$299.95
NB-PLHK-5	5' Hanging Kit for Surface/Hanging Version	\$79.95
NB-PLHK-15	15' Hanging Kit for Surface/Hanging Version	\$89.95
NB-CTSSPB	Pair Ceiling Tile Supports with NB-PLHK-5 Hanging Kit	\$149.95