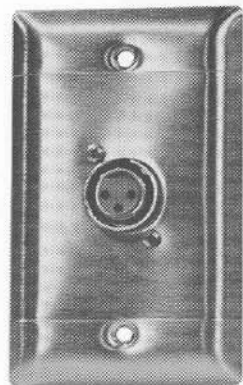


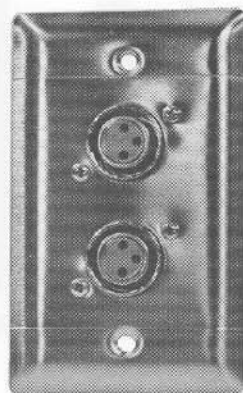
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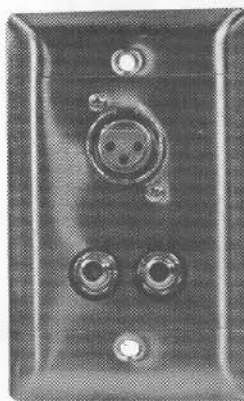
4000EP-Series & 4000DP-Series Switch Plate Mounted Audio Accessories for ACE-4000 System



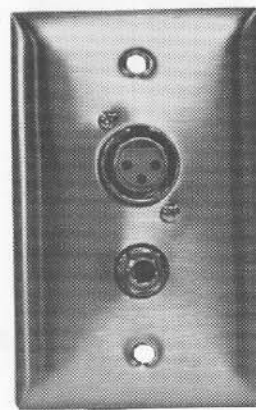
4000EP-MP/1



4000EP-MP/2



4000EP-MP/RCA-2



4000EP-MP/PH

4000EP-MP Series

4000EP-MP/1 - One microphone preamp with a female XLR connector

4000EP-MP/2 - Two microphone preamps with female XLR connectors

4000EP-MP/RCA-2 - Preamp/XLR-female and two isolated, resistively mixed RCA jacks for line level input

4000EP-MP/PH - One microphone preamp/XLR-female and one isolated stereo 1/4" phone jack resistively mixed to mono for line level inputs

- 30 dB gain from 8 - 36 VDC power source
- Provides phantom power for use with electret microphones
- Mu-Metal shielded case drastically lowers noise pickup
- Stainless steel switch plate installs directly into single-gang electrical boxes
- Preamp uses solderless screw terminal connectors

Description:

The 4000EP-MP Series of switch plate mounted audio connectors affords the installer a convenient and cost-effective way to provide access to an audio distribution system. Each of the EP-MP plates includes at least one self-contained microphone preamplifier with a female XLR input connector. The switch plate mounts to a standard electrical switch-junction box, and all mounting hardware is included.

Specifications:

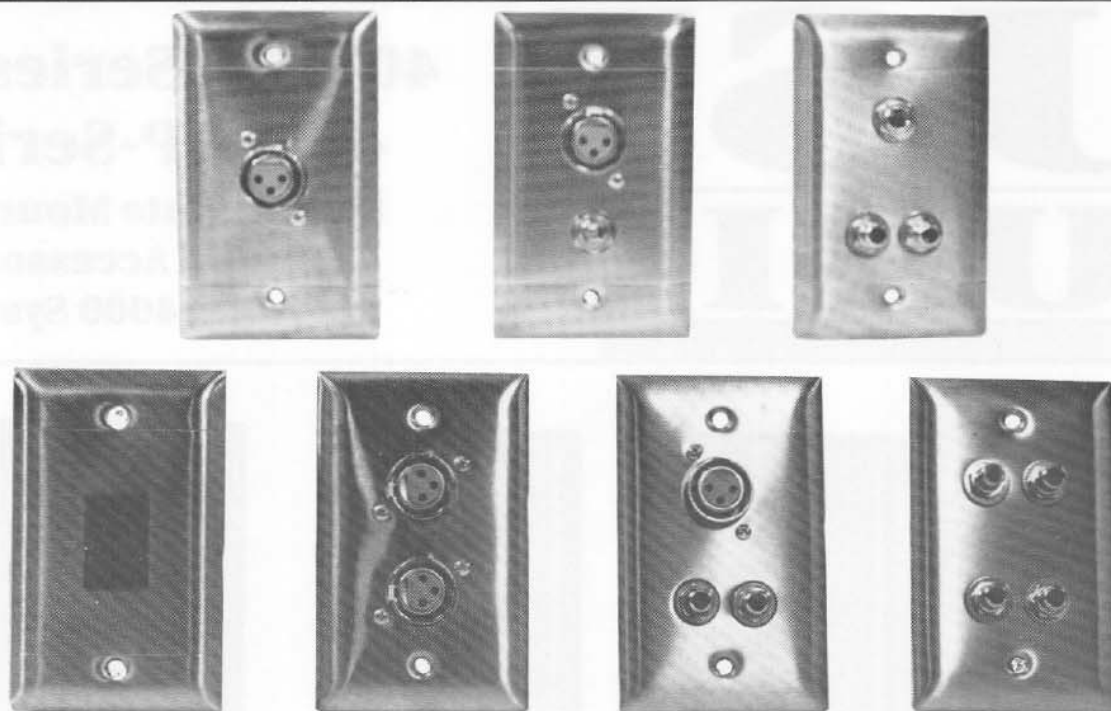
Pre-amplifier:

Frequency Response	35 Hz - 20 kHz +0/-2 dB
Gain	30 dB
Input Impedance	2 K Ω
Output Impedance	100 Ω
THD	< 0.2% (with 5mV input)
Signal-to-Noise Ratio	63 dB (with 5mV input)
Power Requirements	8VDC - 36VDC @ 10 mA
Phantom Voltage Out	input voltage less 10%

Switch Plates:

Dimensions

Height	4.5" (11.4 cm)
Width	2.75" (7.0 cm)
Depth	2.0" (5.1 cm)
Shipping Weight	1 lb. (0.45 kg)



4000EP-XLR/1

4000EP-XLR/PH

4000EP-PH/RCA-2

4000EP-SPDT

4000EP-XLR/2

4000EP-XLR/RCA-2

4000EP-RCA-4

4000EP Series

4000EP-SPDT - Single-pole double-throw rocker switch rated at 3 Amps @ 125 VAC

4000EP-DPDT - Double-pole double-throw rocker switch rated at 3 Amps @ 125 VAC

4000EP-DPDT-CO - Same as 4000EP-

DPDT, but with center-off switch position

4000EP-XLR/1 - One XLR-female microphone jack

4000EP-XLR/2 - Two XLR-female microphone jacks

4000EP-XLR/PH - One XLR-female microphone jack and one 1/4" stereo phone jack

4000EP-XLR/RCA2 - One XLR microphone jack and two RCA phono jacks

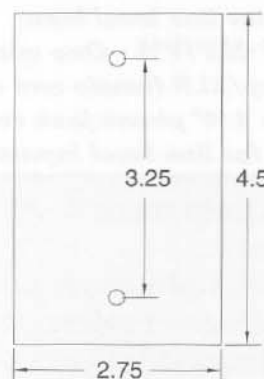
4000EP-PH/RCA2 - One 1/4" stereo phone jack and two RCA phono jacks

4000EP-RCA4 - Four RCA phono jacks

- Stainless steel switch plate installs directly into single-gang electrical boxes
- Input connectors terminated to solderless screw terminal connectors*

Description:

The 4000EP Series of switch plate mounted audio connectors and controls affords the installer a convenient and cost-effective way to provide access to an audio distribution system. The switch plate mounts to a standard electrical switch-junction box, and all mounting hardware is included. All of the plates, *except for the 4000EP-SPDT and 4000EP-DPDT, feature solderless captive screw terminal connector assemblies.



Specifications:

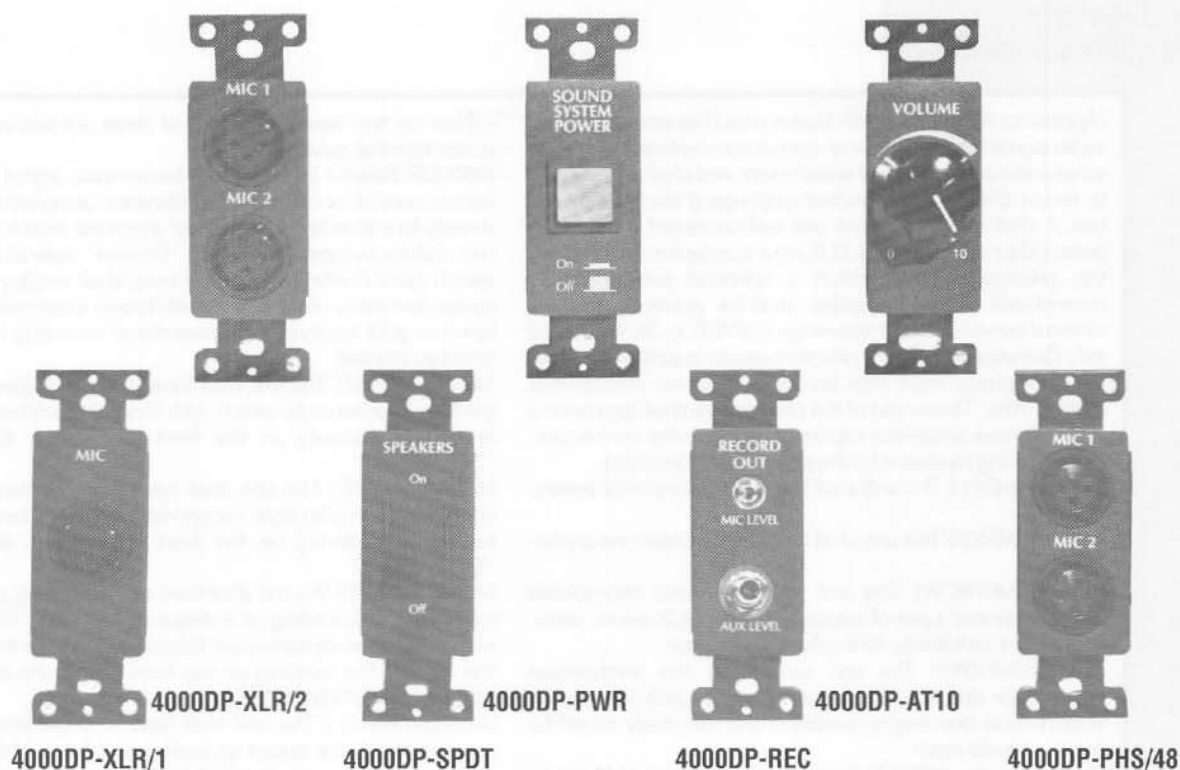
Dimensions

Height 4.5" (11.4 cm)

Width 2.75" (7.0 cm)

Depth 2.0" (5.1 cm)

Shipping Weight 1 lb. (0.45 kg)



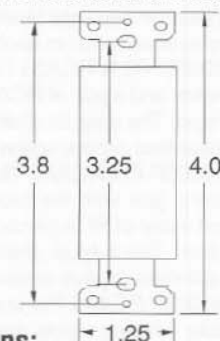
4000DP Series

- 4000DP-SPDT** - Single-pole double-throw rocker switch labeled "SPEAKERS"
- 4000DP-DPDT** - Double-pole double-throw rocker switch labeled "SPEAKERS"
- 4000DP-PWR** - Push-on, push-off switch with indicator lamp, labeled "SOUND SYSTEM POWER"
- 4000DP-XLR/1** - One XLR microphone jack, labeled "MIC"
- 4000DP-XLR/2** - Two XLR microphone jacks, labeled "MIC1" and "MIC2"
- 4000DP-REC** - Record out jacks with transformer isolated 600Ω outputs. Provides mic level on 1/8" mini phone jack and line level on a standard RCA phono jack
- 4000DP-AT10/AT35/AT75** - Ten step volume control for use with 70V speaker distribution lines. Available in 10W, 35W, and 75 Watt power handling capacities
- 4000DP-PHS/48** - 48 VDC phantom power supply on a female XLR connector. Plug-in 120VAC power supply included.

- All models fit the popular "Decora" style cover plates
- Input connector terminated to solderless screw terminal connectors*

Description:

The 4000DP Series of switch plate mounted audio connectors and controls affords the installer a convenient and cost-effective way to provide access to an audio distribution system. The switch plate mounts to a standard electrical switch-junction box, and fits the popular "Decora" switch-plate overlay. All plates use a heavy-gauge aluminum construction, and all are finished with dark-brown lexan overlays with gold lettering in vinyl ink. Conventional mounting hardware is included. All of the plates, *except for the speaker switches (4000DP-SPDT and 4000DP-DPDT) and the volume controls (4000DP-AT Series), feature solderless captive screw terminal connector assemblies for more convenient installation and servicing.



Specifications:

Dimensions

Height	4.0" (10.2 cm)
Width	1.25" (3.2 cm)
Depth	2.0" (5.1 cm) maximum

Shipping Weight 1 lb. (0.45 kg)

Architect's and Engineer's Specifications

[Applies to the 4000EP-MP Series only:] The unit shall be an audio signal line connector or connector combination mounted on a standard electrical switch plate, and shall be designed to mount directly to a standard single-gang electrical switch box. It shall employ at least one self-contained microphone preamplifier with a female XLR input connector. The input to this preamplifier shall match a balanced low-impedance microphone. This preamplifier shall be powered from an external power source in the range of 8VDC to 36 VDC at 10 mA. Correspondingly, the phantom power supply available to the microphone input shall be the input power voltage less roughly 10%. The output of the preamplifier shall appear on a block of three solderless captive screw-terminal connectors. The mounting hardware for the plate shall be included.

[4000EP-MP/1:] The unit shall have one microphone preamplifier.

[4000EP-MP/2:] The unit shall have two microphone preamplifiers.

[4000EP-MP/RCA:] The unit shall have one microphone preamplifier and a pair of resistively mixed RCA phono jacks, each with 4-inch leads, for line level audio input.

[4000EP-MP/PH:] The unit shall have one microphone preamplifier and a 1/4-inch stereo phone jack with 4-inch leads whose two ring connections are resistively mixed for line level audio input.

[Applies to the 4000EP Series only:] The unit shall be an audio signal line connector, control, or connector combination mounted on a standard electrical switch plate, and shall be designed to mount directly to a standard single-gang electrical switch box.

[4000EP-SPDT:] The unit shall have one single-pole-single-throw rocker-style switch with three 4-inch leads.

[4000EP-DPDT:] The unit shall have one double-pole-double-throw rocker-style switch with six 4-inch leads.

[4000EP-DPDT-CO:] The unit shall have one double-pole-double-throw rocker-style switch with a center-off position, and with six 4-inch leads.

[4000EP-XLR/1:] The unit shall have a single female XLR connector with the output appearing on a block of three solderless captive screw-terminal connectors.

[4000EP-XLR/2:] The unit shall have two female XLR connectors with the outputs appearing on two separate blocks of three solderless captive screw-terminal connectors.

[4000EP-XLR/PH:] The unit shall have a single female XLR connector and a single 1/4-inch stereo phone jack with the two ring connections resistively mixed. The outputs shall appear on separate blocks of three solderless captive screw-terminal connectors each.

[4000EP-XLR/RCA2:] The unit shall have a female XLR connector and a pair of RCA jacks whose outputs are resistively mixed. The outputs shall appear on separate blocks of three solderless captive screw-terminal connectors each.

[4000EP-PH/RCA2:] The unit shall have a single 1/4-inch stereo phone jack with the two ring connections resistively mixed, and a pair of RCA phono jacks whose outputs are resistively mixed. The outputs shall appear on separate blocks of three solderless captive screw-terminal connectors each.

[4000EP-RCA4:] The unit shall have two pairs of RCA phono jacks whose outputs are resistively mixed. The outputs shall

appear on two separate blocks of three solderless captive screw-terminal connectors each.

[4000DP Series:] The unit shall be an audio signal line connector, control, or connector combination designed to mount directly to a standard single-gang* electrical switch box. The unit shall be compatible with the "Decora" style of electrical switch plate overlays. All of the units shall employ a heavy gauge aluminum construction, with brown lexan overlays finished in gold lettering. All conventional mounting hardware shall be included.

[4000DP-SPDT:] The unit shall have a single single-pole-single-throw rocker-style switch with three pre-soldered 4-inch leads. The lettering on the front of the unit shall read "SPEAKERS."

[4000DP-DPDT:] The unit shall have a single double-pole-double-throw rocker-style switch with six pre-soldered 4-inch leads. The lettering on the front of the unit shall read "SPEAKERS."

[4000DP-PWR:] The unit shall have a single locking push-button switch with a rating of 3 Amps at 125 VAC. The switch shall contain an incandescent lamp isolated from the rest of the switch. The lettering on the front of the unit shall read "SOUND SYSTEM POWER."

[4000DP-XLR/1:] The unit shall have a single female XLR connector with the output appearing on a block of three solderless captive screw-terminal connectors. The lettering on the front of the unit shall read "MIC."

[4000DP-XLR/2:] The unit shall have two female XLR connectors with the outputs appearing on two separate blocks of three solderless captive screw-terminal connectors. The lettering on the front of the unit shall read "MIC1" and "MIC2."

[4000DP-REC:] The unit shall provide two recording output jacks, one at microphone level and one at auxiliary level, from a single input at auxiliary level. The microphone level output shall appear on a 1/8-inch phone jack, and shall be labeled "MIC LEVEL." The aux level output shall appear on a standard RCA phono jack, and shall be labeled "AUX LEVEL." The input to the unit shall appear on a block of three solderless captive screw-terminal connectors.

[4000DP-AT Series:] The unit shall incorporate a ten-step transformer based volume control. The unit shall match 70.7V speaker distribution line levels. The front of the unit shall read "VOLUME," and shall feature a large control knob.

[4000DP-AT10:] The unit shall have a power handling rating of 10 Watts.

[4000DP-AT35:] The unit shall have a power handling rating of 35 Watts. *The unit shall mount to a double-gang electrical box.

[4000DP-AT75:] The unit shall have a power handling rating of 75 Watts. *The unit shall mount to a three-gang electrical box.

[4000DP-PHS/48:] The unit shall have two female XLR connectors with the outputs appearing on two separate blocks of three solderless captive screw-terminal connectors. 48 VDC phantom power shall be supplied to each of the XLR connectors. The phantom power circuit shall be powered from a 120 VAC plug-in transformer included with the unit. The lettering on the front of the unit shall read "MIC1" and "MIC2."

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