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## Coupler



### CU1626 Radio to Page Line Coupler

### CU1626A Radio to Page/Party Line Coupler

#### Features:

- Couples handheld radio system to Excell Sound.
- provides communication link to page/party line of hard wired systems.
- A voice actuated relay provides automatic operation.
- An electronic voice delay circuit retains the first syllable of a conversation.
- Transformer isolation 120 VAC on input.
- Radio squelch operation sets direction and establishes priority.
- Conformal coating on all printed circuit boards.
- Stainless steel housing Type 304 brush finish.
- Match existing VHF 150-174, UHF 450-470 frequency range.

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The CU1626A coupler provides a means of interfacing handheld radio systems to hard wired Excell Sound (ES) or Unitized Audio (UA) systems. The handheld radio, on the same frequency as the coupler, pages the ES/UA system speakers. The CU1626A coupler has provisions to transfer the page message to the designated party line once the handset goes off hook.

<b>Model</b>	<b>Dimension</b>	<b>Weight</b>
CU1626 RADIO TO PAGE LINE COUPLER	16.625" H x 11.375" W x 16.5" D 422mm x 289mm x 419mm	17 pounds 7.71 kilograms
CU1626A RADIO PAGE TO ES PAGE / PARTY COUPLER	16.625" H x 11.375" W x 16.5" D 422mm x 289mm x 419mm	17 pounds 7.71 kilograms

<b>Specifications CU1626 and CU1626A</b>		
POWER INPUT	120 VAC, 50/60 Hz @ 0.25 amp SLO BLO	
INPUT FUSE	0.5 amp SLO BLO	
OPERATIONAL VOLTAGE	12 VDC amplifier and relay 7.5 VDC radio	
CONNECTIONS	TB1 - 1,2 ..... Hot, Neutral TB1 - 3, 4 ..... L1, L2 Page Line TB1 - 5, 6 ..... L1, L2 Party Line ("A" Model Only)	
PAGE AND PARTY LINE IMPEDANCE	1.5 volts to 33 ohms	
RELAYS	Ks ..... radio squelch Kvox ..... page line voice operated	
ADJUSTMENTS	Pot 1 ..... radio to page line volume Pot 2 ..... ED to radio mic Pot 3 ..... Vox operate level	
<b>GENERAL</b>		
	<b>VHF</b>	<b>UHF</b>
FREQUENCY RANGE	150-174 MHz	450-470 MHz
RF OUTPUT	1-5 watts	1-4 watts
CHANNEL SPACING	12.5 kHz	12.5 kHz
CHANNEL CAPABILITY	2 and 16 channels	
FREQUENCY SEPARATION	20 and 24 channels	
<b>TRANSMITTER</b>		
	<b>VHF</b>	<b>UHF</b>
AUDIO RESPONSE	+1 / -3 dB, relative to 6 dB / octave pre-emphasis, 300-3000 Hz	
AUDIO DISTORTION	< 3% EIA @ 1000 Hz, 60% of rated maximum deviation	