

## AUDIO FREQUENCY AMPLIFIER SOUND POWERED TELEPHONE AMPLIFIER



DESIGN SPECS ..... MIL-A-16749  
 TECH. MANUAL ..... SE020-AG--MMO-010  
 NSN ..... 5996-01-441-3360  
 DYNALC PART ..... 61660-100

### FEATURES

- Replaces AM-2210G/WTC
- Designed to reproduce voice signals so that the message will be clear and understandable through high ambient noise levels such as gun positions and machinery spaces.
- Amplifier supplies amplified signals to speakers and headsets at the associated position. Signals from the position to the command post are transmitted directly at the sound powered telephone level.
- Direct communication at the sound powered telephone level (no amplification) is maintained when the amplifier is not operating, the press-to-talk switch of a local sound powered telephone headset is closed, power interrupted, a sensitive switching circuit fails, or when the amplifier is removed from its enclosure.
- Plug-in circuit card for easy repair/replacement.

### RELATED EQUIPMENT

EQUIPMENT	Dynalec Part Number
Handset, H-203/U .....	702003-315
Headset, H-200/U .....	702019-375
Speaker, LS-305 .....	61720-350-01
Speaker, LS-387 .....	61716-200

# AM-2210N/WTC

## DESIGN SPECIFICATIONS

Power Requirements	115 VAC, 60 Hz, single phase, 33 watts.
Frequency Range	200 to 4,000 Hz with sound powered telephone sets (Response curve compensates for sharply peaked characteristics of transmitter units).
Power Output	7.5 watts at 1,000 Hz with input of $25 \pm 2$ millivolts. Output may be reduced by 24 dB in five equal steps.
Input	From sound powered telephone transmitter unit.
Input Impedance	$800 \pm 200$ ohms, 400 to 2,500 Hz.
Output Characteristics	832, 525, and 331 millivolts for sound powered telephone headsets. 70 and 49 volts for loudspeakers, 5% total harmonic distortion @ 1,000 Hz.
Dimensions	
Height	6.06" (15.4 cm)
Width	9.06" (23.1 cm)
Depth	6.00" (15.3 cm)
Weight	12 lbs. (5.5 kg)
Shipping Weight	14 lbs. (6.4 kg)

## MOUNTING INFORMATION

