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Excell Sound



ES1664AG
Indoor Single Party



ES1666AG
Outdoor Single Party

Features:

- 20 watts of audio output.
- Transformer-isolated power supply, 48 volts DC internal voltage.
- Transformer-isolation of power, and speaker lines.
- Short circuit protection of power transistors.
- Unitized design allows easy additions or changes to system.
- No amplifier gain increase when signal is not present. This reduces system feedback and loading problems.
- Stainless steel construction, Type 304 brushed finish.
- Conformal coating on printed circuit boards.
- Plug-in front panel
- Magnetic off-hook switch.
- Sealed off-hook and page relays.
- Off-hook indication.
- Factory Mutual Approved: Class I, Div. 2, Groups A, B, C, and D; and Class II, Div. 2, Groups F and G.

The ES1664AG indoor and ES1666AG outdoor wall-mounted units are intended for industrial applications where paging and single party line communications are required.

Model	Dimensions	Weight
ES1664AG INDOOR SINGLE PARTY PAGING STATION	8.125" H x 8.125" W x 5.625" D 206mm x 206mm x 143mm	9 pounds 4.08 kilograms
ES1666AG OUTDOOR SINGLE PARTY PAGING STATION	16" H x 11.5" W x 9.5" D 406mm x 292mm x 241mm	17 pounds 7.71 kilograms

Specifications ES1664AG and ES1666AG	
VOLTAGE INPUT	90 to 140 VAC, 120 VAC nominal, 50 / 60 Hz
MINIMUM POWER INPUT	At zero signal, 10 VA
MAXIMUM POWER INPUT	At 20 watts continuous signal, 60 VA
INPUT POWER ISOLATION	Transformer provides 2000 volt isolation from power source
SPEAKER AMPLIFIER	
POWER OUTPUT	20 watts rms to 8 ohms or 12 watts rms to 16 ohms
FREQUENCY RESPONSE	250 to 4000 Hz + / - 1.5 dB
DISTORTION	1% maximum at 20 watts and 1000 Hz
HUM AND NOISE	At least 50 dB below rated output
ISOLATION	Input transformers on power, page, and party lines
INPUT SENSITIVITY	Less than one volt for rated output
INPUT IMPEDANCE	Greater than 50,000 ohms
OUTPUT PROTECTION	Instantaneous short circuit and impedance protection
ADJUSTMENTS	Speaker volume control located on PC board, accessible through the front panel.
HANDSET AMPLIFIER	
OUTPUT LEVEL	1.5 volts into 33 ohm load
DISTORTION	Less than 1.5% @ 1000 Hz
ISOLATION	Output transformer
OUTPUT PROTECTION	Short-circuit proof
ADJUSTMENTS	Side tone adjustment located on PC board Handset amplifier pot located on PC board
CONTROLS	Magnetic off-hook switch with sealed relay Handset paging with sealed relay
CONNECTIONS	Terminal block located in back of housing

OPTIONS:

POWDER COATING - ADD "/PC" TO THE PART NUMBER.

SPRING RETURN DOOR - ASS "/D" TO THE PART NUMBER.

TEE TURN HANDLE WITH KEYLOCK - ADD "/T" TO THE PART NUMBER.