



communications

General Electric

PUBLIC ADDRESS AMPLIFIER AND ELECTRONIC SIREN



ACTUAL SIZE

MODELS:

4EA12A10—PUBLIC ADDRESS AMPLIFIER

4EA12B10—PUBLIC ADDRESS AMPLIFIER
AND ELECTRONIC SIREN

Progress Is Our Most Important Product

GENERAL  ELECTRIC



communications



MODEL NO. 4EA12A10, PUBLIC ADDRESS AMPLIFIER



MODEL NO. 4EA12B10, PUBLIC ADDRESS AMPLIFIER AND ELECTRONIC SIREN

Built-in versatility provides: (1) Additional amplification for your 2-way mobile receiver into an externally mounted speaker, (2) a public address system using the same external speaker from the 2-way mobile microphone in your vehicle for directing crowds, traffic or giving instructions in emergency situations, (3) a penetrating intermittent-duty electronic siren for warning traffic (Model 4EA12B10). With either model, control is readily returned to the associated 2-way mobile unit by turning the function selector knob to "OFF" in which position all incoming messages are then heard over the regular mobile speaker inside your vehicle.

Either model may be used with or without 2-way radio since they are both self-contained units requiring only a 6 or 12 volt battery source of power.

GREATER VOICE POWER WITH GENERAL ELECTRIC PUBLIC ADDRESS AMPLIFIER AND ELECTRONIC SIREN

No more missing important calls when you find it necessary to be some distance from your vehicle. No more losing control of the situation because you cannot be heard above the noise of crowds, traffic and heavy rolling equipment. General Electric's versatile amplifier gives you a selection of functions to meet your requirements at a modest price.

First, as an amplifier it provides the required amplification so that you can hear all your calls while working at a distance from your vehicle. In fact, this 25-watt amplifier makes it possible to hear your mobile receiver as much as three city

blocks away.

Either unit is simple to install and may be used with G-E or other makes of 2-way radio.

Second, as a public address system, the amplifier permits your voice to be heard under extremely noisy conditions. You get the voice power needed to be heard above the noise of crowds, traffic, or heavy industrial equipment with the simple turning of a selector switch.

Nowhere will you find such a compact eye-appealing unit that will give you so much performance at such a modest price.

THE BIG

FEATURES OF THE GENERAL ELECTRIC ELECTRONIC SIREN



REDUCED BATTERY DRAIN

Through the use of transistors, the electronic siren requires only a fraction of the input power required by conventional electro-mechanical sirens. Also, costly maintenance has been reduced to a minimum through the use of printed circuit boards.

INCREASED POWER

The full power of the electronic siren delivered to the highly efficient Model 4EZ6C1 rugged weather-proof re-entrant speaker delivers an attention-getting siren wail that will penetrate high levels of traffic noise. A penetrating sound is produced that is dispersed over a wide area with very low battery drain. It takes but a fraction of the power required by electro-mechanical sirens. Increased penetration has been achieved through the careful selection of "wailing" frequencies. This has also resulted in a lower sound level from the siren within the vehicle ensuring greater alertness on the part of the occupants to incoming messages and the sounds of other emergency vehicles.

RAPID FUNCTION CHANGE-OVER

At the flick of the selector knob, you quickly choose the mode of operation you require—giving directions or instructions over the public address system—monitoring your 2-way receiver while some distance away from your vehicle. Or, you may have the protection afforded by the electronic siren in instances where circumstances require the use of this function.

Perhaps you do not have 2-way radio now but plan to install it later. If so, the public address amplifier with or without the electronic siren may be connected to your 2-way radio when you do get it.

TRUE SOUND CHARACTERISTICS

General Electric's transistorized electronic siren has the true sound characteristics of electro-mechanical sirens including the familiar "build-up" and "roll-off". However, the frequencies selected in this siren give it greater acoustical penetrating power than electro-mechanical sirens.

MANUAL OR AUTOMATIC OPERATION

The three-position selector switch permits: (1) manual operation with the characteristic siren "wail"; in this position, the siren is activated by pressing the small push-button on the amplifier front panel, (2) automatic operation which produces the siren "wail" until the selector switch is turned "OFF" or to "MANUAL"; (3) by turning the selector knob to "OFF" position, siren "wail" stops instantaneously.

MOUNTING FLEXIBILITY

The Public Address Amplifier with Electronic Siren is an unusually small and compact unit measuring only 3 1/4" high by 6 5/8" wide with a depth of only 6 3/8". Consequently, mounting in your vehicle is an easy task. The weather-proof speaker can be mounted on top of the vehicle or on the fender. It also can be mounted behind the grille or in the motor compartment if it is necessary that it be concealed.

THERMOSTATICALLY PROTECTED TRANSISTORS



Provides high efficiency operation with minimum maintenance. Should a failure occur in a circuit causing the ambient temperature to rise to a value that would be harmful to the power transistors, the protective thermostat will open turning the power off until a safe operating temperature is restored.

WEATHER-PROOF RE-ENTRANT SPEAKER

MODEL NO. 4EZ6C1



New re-entrant speaker gives wider sound dispersion. Rugged design permits continuous operation.

SPECIFICATIONS

MODEL NUMBER 4EA12A10, PUBLIC ADDRESS AMPLIFIER

MODEL NUMBER 4EA12B10, PUBLIC ADDRESS AMPLIFIER
AND ELECTRONIC SIREN

	PUBLIC ADDRESS AMPLIFIER AND ELECTRONIC SIREN	PUBLIC ADDRESS AMPLIFIER
Model No:	4EA12B10	4EA12A10
Number of Transistors:	12	6
Battery Drain:	Standby 0.5 amps 0.5-0.6 amps	Full Power 5.0-6.0 amps 5.0-7.0 amps
6.6 volts		
13.6 volts		
Audio Input Characteristics:*	Controlled magnetic microphone or interconnected with TPL or PL mobile equipment.	
Frequency Response:	± 3 db from 300 to 3000 cps (1000 cps ref.)	
GAIN:	80 db minimum, continuously adjustable from 0 to maximum setting.	
	Automatic position, maximum gain at all times. Manual position, output level intensity and pitch varied by actuating push-button.	
Output Impedance:	16 ohms	
Audio Power Output:	6.6 volt supply: More than 10 watts 13.6 volt supply: More than 25 watts	
Duty Cycle:	Intermittent Duty Only in Siren Position†	Continuous Duty
Acoustical Output:	With Model 4EZ6C1 Speaker: 95 db at 100 feet.	
Dimensions (HWD):	3 1/4" x 6 5/8" x 6 3/8" (excludes knobs; add 7/8" in height for mounting brackets)	
Weight:	7 pounds, 6 ounces	7 pounds, 3 ounces

*May be adapted for use with carbon microphone on all standard 2-way mobile equipment.
†Operating time will vary depending upon ambient temperature and car battery voltage.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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COMMUNICATION PRODUCTS DEPARTMENT, LYNCHBURG, VIRGINIA

(In Canada, Canadian General Electric Company, Ltd., Toronto, Ont. Outside the U.S.A., and Canada, by:
International General Electric Company, Electronic Sales, 150 East 42nd Street, New York, New York, U.S.A.)