

Federal PA20A Interceptor[®] Electronic Siren

The high performing
deluxe siren with the
most advanced
features



The PA20A has these outstanding features:

1. **BETTER CIRCUITRY**
for greater stability
2. **OUTPUT ISOLATION TRANSFORMER**
to reduce hazard of shorting output transistors
3. **BLOCKING TRANSISTOR**
to increase thermal stability
4. **BLOCKING DIODE**
to prevent damage from reversed polarity
5. **SILICON TRANSISTORS**
for maximum reliability
6. **A NEW SOUND**
A "Hi-Lo" for special "attention-compulsion" or identification

In addition, the PA20A features "plug-in" convenience for all connections. It also has a slide-out chassis, lift-out wiring board, and edge-lighted control panel.

Enlarging upon the features emphasized on page one, the circuitry has not only been improved toward better performance, but to simplify installation. The same unit now will serve vehicles with "positive to ground" electrical systems as well as the more common "negative to ground."

The Output Isolation Transformer, in its function mentioned on page one, protects against damage to the amplifier from accidental grounding.

The Blocking Transistor provides for greater thermal stability.

The Blocking Diode, in conjunction with the aforementioned blocking transistor, prevents damage to the amplifier circuits in case of accidental polarity reversal.



The new "Hi-Lo" can best be described as a sound used on some European emergency vehicles. Neither a yodel or a "Hee-haw," television viewers of foreign movies will recognize it. It is distinctive and can be utilized for any number of special indications — just another bonus feature of the best electronic siren. The "Hi-Lo" replaces the former

"Alert" or monotone no longer sponsored by Civil Defense as a prescribed signal. Where you wish to use a monotone, the manual button, held in, will provide it.

NEW MICROPHONE

The PA20A features the "plug-in" convenience for all connections. This enables the buyer to utilize the microphone of his car radio for the PA20A if he prefers to do so. For those who prefer an independent microphone for the PA20A, we now offer an improved and high quality "noise cancelling" microphone, model MNC, instead of the MR reluctance type formerly offered.

The noise cancelling microphone provides clearer "voice" operation by eliminating amplification of unwanted ambient sounds. It also greatly reduces the tendency of "feed-back" permitting voice operation at high gain levels with consequent greater vocal range.

PERFORMANCE

Our readings are taken in our famous anechoic chamber with high quality accurately calibrated equipment so that extraneous noises and reflections do not falsely add to the rating. Others may guess at or falsely add to their dB outputs, but the PA20A will not be bettered in actuality.

Output for the PA20A is 58 watts with one speaker; 100 watts with two speakers.

SPECIFICATIONS

12 volts is standard (24 volts available on special order for an additional charge)

Model	Description	Case Dimensions			Net Wt.	Ship. Wt.
		Width	Depth	Height		
PA20A	Amplifier only	5-1/4"	7-1/4"	2-3/4"	4 lbs. 2 oz.	6 lbs.
MNC	Noise canceling microphone with cable and plug (recommended option)				14 oz.	2 lbs.
MR	Reluctance microphone with cable and plug				14 oz.	2 lbs.
FN203	Standard radio adapter cable (required when a separate mike is used and for mobile/portable Duty Patrol radio).				2 ozs.	2-1/2 ozs.
FN204	Motorola radio adapter cable for Motrac, Motran, & Mocom 70				2-1/2 ozs.	3 ozs.
FN205	G.E. — TPL radio adapter cable				2-1/2 ozs.	2 ozs.
FN137	G.E. — TPL microphone adapter assembly				2 ozs.	2-1/2 ozs.
FN208	RCA radio adapter cable				2-1/2 ozs.	3 ozs.
FN209	G.E. radio adapter cable				2-1/2 ozs.	3 ozs.
FN213	Motorola Micor radio adapter cable				2-1/2 ozs.	3 ozs.
FN395	RCA Super Carfone radio adaptor cable for models 500, 700 and 1000.				2-1/2 ozs.	3 ozs.
FN475	G.E. Master II radio adaptor cable				7 ozs.	8-1/2 ozs.
FN480	Federal Voice Patrol® II radio cable				7 ozs.	9 ozs.

The price of the PA20A does not include either the microphone or speaker. Microphone options are listed above. Speakers are fully described in bulletin 329.

†Use only with Motorola microphones 6013A-SP6 which are equipped with Amphenol 4-pin connectors.

How to Order

Please Specify the Following: 1. Model number of amplifier 3. Model number of radio adapter cable
2. Model number of microphone (if required) 4. Model number of speaker (see bulletin 329)



SIGNAL DIVISION
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