CREATE NEW OPERATING EFFICIENCY IN BUILDINGS OF EVERY TYPE!

Architects and engineers can do much to insure efficient use of any well-planned business building, by including a P-A-X Business Telephone System in their plans and specifications.

Thousands of business executives now depend on P-A-X Systems to provide "inside" communication throughout their organizations—and not only "business" organizations—for P-A-X Systems also bring added efficiency to hospitals, stores, hotels; schools, churches, public buildings—virtually anywhere that people work!

To meet the communication requirements of all types and all sizes of organizations—Automatic Electric has developed a complete range of modern P-A-X Systems, all highly flexible in their application.

THERE IS NOW A P-A-X BUSINESS TELEPHONE SYSTEM EXPRESSLY SUITABLE FOR ANY BUILDING

A P-A-X Business Telephone System is composed of equipment identical to that supplied by Automatic Electric to the hundreds of public telephone companies. It operates dependably and continuously 24 hours a day.

It works exactly like the regular public telephone service, but offers three unique advantages:





SWITCHBOARD	ТҮРЕ	SERVICE	EXPANSON	SIZE & POWER	SPECIAL SERVICES
	32A1	10 TELEPHONES 2 CONVERSATIONS AT ONCE	NOT EXPANSIBLE	4'3" x 2'1" x 1'2" deep Power: 24 V—D.C. APPROX. WEIGHT INSTALLED 220 lbs.	Executive Direct Line Key Calling Paging Telephone (Area Communication) and Public Address Cut-In
	47A	20 TELEPHONES 4 CONVERSATIONS AT ONCE	NOT Expansible *	4'51/4" x 2'3" x 1'4" deep Power: 24 V—D.C. APPROX. WEIGHT INSTALLED 300 lbs.	Executive Direct Line Executive Cut-In Key Calling Code Calling (36 codes) Paging Telephone (Area Communication) and Public Address Cut-In * Two telephones per line, with individual ringing, if required.
	32A21	22 TELEPHONES 3 CONVERSATIONS AT ONCE	NOT EXPANSIBLE	4'3" x 2'1" x 1'2" deep Power: 24 V—D.C. APPROX. WEIGHT INSTALLED 265 lbs.	Executive Direct Line Key Calling Paging Telephone (Area Communication) and Public Address Cut-In
	47B	40 TELEPHONES CONVERSATIONS AT ONCE	NOT Expansible *	5'81/2"x3'33/4"x1'4" deep Power: 24 V—D.C. APPROX. WEIGHT INSTALLED 500 lbs.	Executive Direct Line Executive Cut-In Key Calling Code Calling (36 codes) Paging Telephone (Area Communication) and Public Address Cut-In * Two telephones per line, with individual ringing, if required
	32A31	50 TELEPHONES CONVERSATIONS AT ONCE	EXPANSIBLE TO 7 CONVERSATIONS	4'9'/4" x 4'1/2" x 2' deep Power: 24V—D.C. APPROX. WEIGHT INSTALLED 520 lbs.	Executive Direct Line Executive Right of Way Telephone Conference Key Calling Code Calling (10 or 125 codes) Paging Telephone (Area Communication) Public Address Cut-In and Automatic Information Announcer (Message Repeating)
	25	50 TELEPHONES 7 CONVERSATIONS AT ONCE	EXPANSIBLE TO 100 TELEPHONES AND 14 CONVERSATIONS	4'9½" x 4'6½" x 2' deep Power: 48 V—D.C. APPROX. WEIGHT INSTALLED Depends on No. of lines; [minimum— 1600 lbs.]	Executive Direct Line Executive Right of Way Telephone Conference Key Calling Code Calling (10 or 125 codes) Paging Telephone (Area Communication) Emergency Alarm Watchman's Services Public Address Cut-In and Automatic Information Announcer (Message Repeating)
	50	75 TELEPHONES 10 CONVERSATIONS AT ONCE	EXPANSIBLE TO 200 TELEPHONES AND ANY NUMBER OF CONVERSATIONS	4'11" x 6'31/2" x 2' deep APPROX. WEIGHT INSTALLED Depends on No. of lines; (minimum— 2500 lbs.)	Executive Direct Line Executive Right of Way Telephone Conference Key Calling Code Calling (10 or 125 codes) Paging Telephone (Area Communication) Emergency Alarm Watchman's Services Public Address Cut-In and Automatic Information Announcer (Message Repeating)
	75	200 TELEPHONES ANY NUMBER OF CONVERSATIONS SIMULTANEOUSLY	EXPANSIBLE TO ANY NUMBER OF TELEPHONES, ANY NUMBER OF CONVERSATIONS	SPECIALLY ENGINEERED AND CUSTOM DESIGNED	Executive Direct Line Executive Right of Way Telephone Conference Key Calling Code Calling (10 or 125 codes) Paging Telephone (Area Communication) Emergency Alarm Watchman's Services Public Address Cut-In and Automatic Information Announce (Message Repeating)

FOR SMALLER

ORGANIZATIONS; HOMES

phones. Conversation is private. Pair 9" deep. Power: 12-volt D.C., by battery eliminator (or dry cells) 60 lbs installed. SPECIAL SERVICES: Supervisory Right-of-Way, Paging Tele-Address Cut-In, Emergency Alarm and

P-A-X Type 34A16: Provides 10 teleof Cabinets: 1'111/2" x 101/4" wide x phone (Area Communication), Public a dial controlled Code Call Service.



P-A-X Type 32A38: Excellent where traffic is light but needs require 100

FOR SCHOOLS OR INSTITUTIONS

telephones—of dial type, or arranged to call and be called only by Master Stations. Cabinet: 4'3" x 2'1" x 1'2 deep. Power: 24-volt D.C., by battery eliminator. 255 lbs., installed.

SPECIAL SERVICES: Same as 34A16 (as shown at left) plus Automatic Code Call and Executive Direct Line.

P-A-X CODE CALL — Whenever a P-A-X call is not answered, because the individual called is away from his desk, the calling party simply dials the individ-ual's code-call number. Carefully chosen light signals or sound signals summon the individual, wherever he may be. He steps to any P-A-X telephone, dials his "answering" number, and is automatically connected to the calling party. ("Division coding" also available—permits sounding of code signals in separate, specific departments.)

P-A-X PAGING TELEPHONE ("AREA COMMUNICATION")—This service permits complete two-way conversations between one person, on a P-A-X telephone, and any number of others within an entire area. They hear themselves addressed over loud-speakers, and are able to reply, in a normal speaking voice, merely by facing toward one of the microphone-loudspeaker units. Called parties simply look up—listen—reply!

PUBLIC ADDRESS CUT-IN - This service extends conveniences of an existing public-address system, permitting executives to "broadcast" public address announcements from any P-A-X telephone; often used to page employees,

visitors; instead of a separate code call system. TELEPHONE CONFERENCE - With this service, any number of selected individuals may dial, on their own P-A-X telephones, a confidential number which enables them to enter into a private telephone conference, without leaving their desks! The resulting immediate group decisions enable many companies to speed their entire management operation!

EXECUTIVE RIGHT-OF-WAY — This service provides a separate, private conversation channel, reserved exclusively for executives, which enables them to join any existing

conversation, to talk immediately with either party. EXECUTIVE CUT-IN _ Enables an executive to join an existing conversation, after he has received a busy signal; it does not, however, provide a separate, private conversation channel.

KEY-CALLING — Stations called most frequently from any one station can be called without dialing — simply by depressing a key in a small cabinet located near the calling telephone. A key rings the called telephone, and sounds a buzzer inside the cabinet, which stops when the called party answers. If the called party's telephone is busy, a tone indicates he is wanted by a "key-call" station. When he "hangs up", his telephone is immediately signaled, and connected to the key-calling line.

EXECUTIVE DIRECT LINE—Executives have a direct immediate priority-line connection with any member of their staff, at the flick of a key located in a special, desk-side cabinet. If the person called is engaged in another call, a special tone informs him the executive is calling. The executive uses either his P-A-X telephone or an attractive desk-model speaker-andmicrophone unit, as he prefers.

WATCHMAN'S SERVICE — Certain P-A-X telephones are simply used as watchman's reporting stations. The time of each call from each station is recorded automatically

on printed tape. Also, a "tracer board", indicating with lights the time and sequence of each watchman's reports, is available. Many variations of signaling and conversation between watchmen and their supervisor can be provided.

EMERGENCY ALARM - One P-A-X number can ring a special loud-ringing bell at the watchman's or fire marshal's desk, and also record the time and the source of the call. The fire marshal can then quickly discuss the details of the alarm over his P-A-X telephone. Comprehensive alarm equipment, including location indicators, time-and-location-recorders, and code-sending apparatus are also available.



AUTOMATIC INFORMATION ANNOUNCER (MESSAGE REPEATING)—Provides voice recording of any message, and then automatic repetition of that message to any person dialing the proper P-A-X number.

MONITORING SERVICE - For various schools and penal or other institutions, "listen-in" and/or "cut-in" service.



ATLANTA 5, GA., 900 Peachtree Street Bldg. — VErnon 2970 BOSTON 16, MASS., Statler Office Bldg. — HUbbard 2-1467 CHICAGO 7, ILL., 1033 W. Van Buren St. — HAymarket 1-4300 DALLAS 1, TEXAS, 205 Irwin-Keasler Bldg. — STerling 4113 DETROIT 2, MICH., New Center Bldg. - TRinity 5-5511 KANSAS CITY 8, MO., 2021 Main Street — HArrison 4720

NEW YORK 16, N. Y., 21 East 40th Street — LExington 2-6226 PHILADELPHIA 8, PA., Terminal Commerce Bldg. — WAlnut 2-3593 PITTSBURGH 22, PA., 915 Empire Bldg. — ATlantic 1-8041 CLEVELAND 14, OHIO, 815 Superior Ave. N.E. — PRospect 1-6226 SAN FRANCISCO 5, CALIF., 55 New Montgomery St.—YUkon 6-1512 SEATTLE 4, WASH., 644 Central Bldg. — MAin 0780 ST. LOUIS 10, MO., Chouteau Building — NEwstead 2520 WASHINGTON 5, D. C., Washington Bldg. — MEtropolitan 5978

HOME OFFICE: AUTOMATIC ELECTRIC SALES CORPORATION, 1033 W. VAN BUREN STREET, CHICAGO 7, ILLINOIS

For information on P-A-X's to be installed outside the United States or U.S. Possessions, please write to INTERNATIONAL AUTOMATIC ELECTRIC CORPORATION, 1033 W. Van Buren St., Chicago 7, Illinois.