You Can Match PABX Earning Power To the Communications Job When You Have a Wide Enough Choice of Equipment
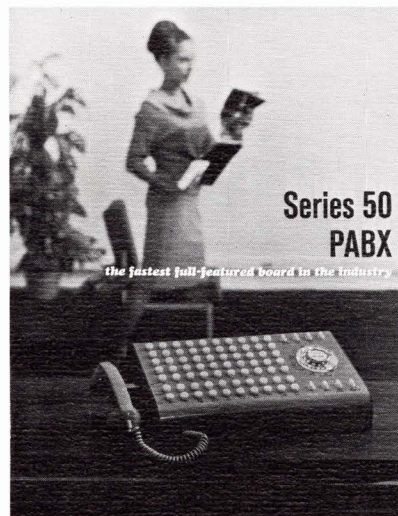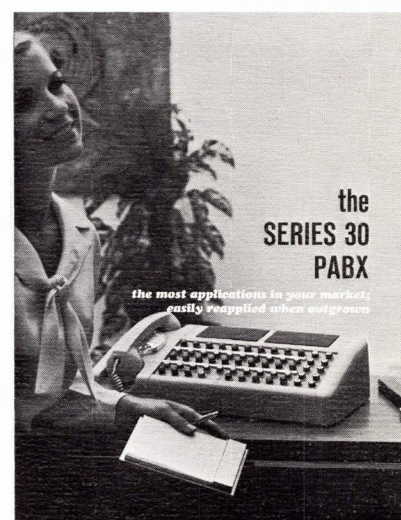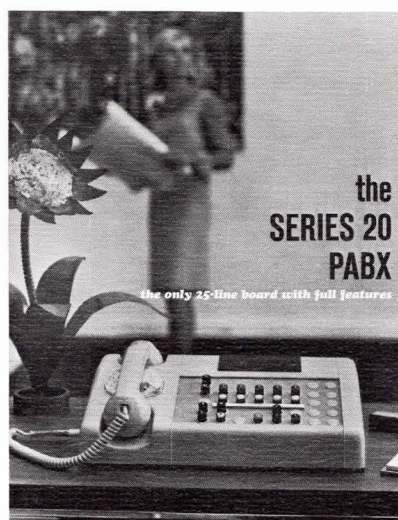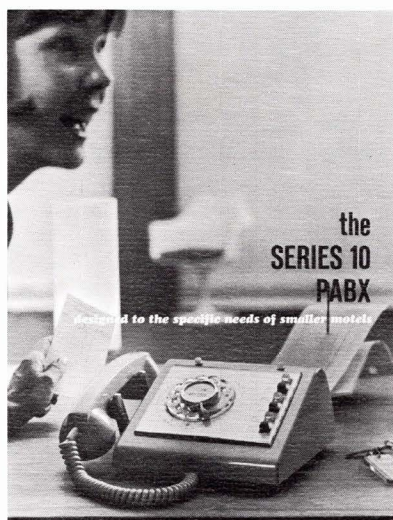
...STROMBERG-CARLSON Gives the Widest Choice

the
SERIES 10
PABX
designed to the specific needs of smaller motels

the
SERIES 20
PABX
the only 25-line board with full features

the
SERIES 30
PABX
the most applications in your market; easily reapplied when outgrown

SERIES 40
PABX
unlimited capacity - more features

Series 50
PABX
the fastest full-featured board in the industry

SERIES 80
PABX
for economy: the lowest-cost board in its class

FX PABX
economy with full features—can't be outgrown

XY
CENTREX
the fastest operating full feature Centrex available

and each choice
is supported by
merchandising aids
in full color

There's a Stromberg-Carlson Communication System

SERIES 10 PABX

designed to the specific needs of smaller motels

System capacity is 35 lines, 4 trunks, and 2 links.

The Series 10 PABX is designed to furnish economical and efficient telephone service for motels having up to 30 rooms. This PABX requires a minimum of attention on the part of the desk clerk. A three-line or a two-line telephone is used to handle incoming calls; the pushbutton on the telephone permits extending incoming calls to any room.

The feature selector chart, on the back page, lists many of the standard and optional features available with Series 10.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2301. And be sure to ask about T-3301, a full-color sales brochure, written to your hotel-motel prospects, and available for your use.


SERIES 30 PABX

the most applications in your market; easily reapplied when outgrown.

System capacity is 100 lines, 20 trunks, and 12 links.

The Series 30 is adaptable to a greater variety of business communication applications than any other system in its class. And it is this adaptability that will permit you to place this system into service more than any other system in its class. There are five basic systems from which to choose—each system is equipped with a different group of standard features and each offers a selection of optional features to increase system versatility. All systems can be started with as few as 20 lines, 2 central-office trunks, and 2 links and each can be expanded to system capacity as required.

The feature selector chart, on the back page, lists many of the standard features available with the Series 30.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2303. And be sure to ask about T-3303 and T-3304, full-color sales brochures, written to your business prospects and hotel-motel prospects, and available for your use.
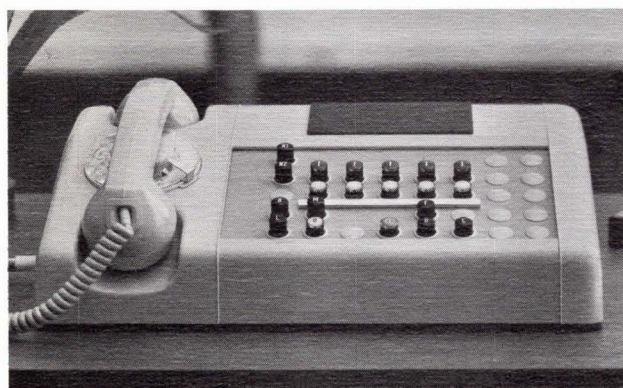

SERIES 20 PABX

the only 25-line board with full features

System capacity is 25 lines, 5 trunks, and 4 links.

The Series 20 PABX is a compact, versatile, fully-automatic telephone system that has all the features offered by many of our larger systems—as a matter of fact, it is the only 25-line board with full features. Start with as few as 10 station lines and 2 central-office trunks and expand to system capacity as required.

System features include busy-station number display, camp-on, and conference service. The feature selector chart, on the back page, lists many of the standard and optional features available with the Series 20.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2302. And be sure to ask about T-3302, a full-color sales brochure, written to your business prospects, and available for your use.
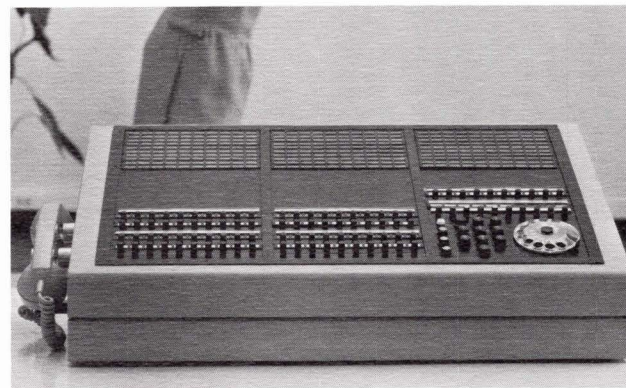
**SERIES 40 PABX**

unlimited capacity—more features

System capacity is unlimited.

The Series 40 PABX is a custom engineered system. System capacity is unlimited—it is an ideal system when capacity requirements are in excess of 100 lines or 20 trunks. There are five basic systems from which to choose—each system is equipped with a different group of standard features and each offers a selection of optional features to increase system versatility.

System features include full keyset operation for inside and outside calls and direct inward dialing. The feature selector chart, on the back page, lists many of the standard and optional features available with the Series 40.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2305. And be sure to ask about T-3305 and T-3306, full-color brochures, written to your business prospects and hotel-motel prospects, and available for your use.

That Meets Every Need
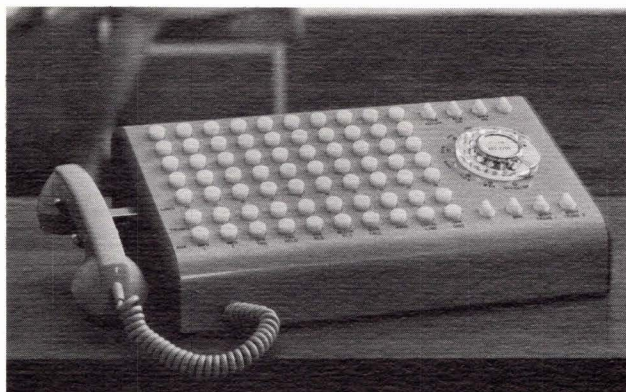
SERIES 50 PABX

the fastest full-featured board in the industry

System capacity is 50 lines, 10 trunks, and 6 links.

When speed is the need: Stromberg-Carlson Series 50 is the fastest PABX in the industry. The TOUCH-LITE® Turret makes it fast—touching one button extends the call. And the system offers your subscribers full features. The beauty of the turret is unmatched; the cabinet is compact and quiet.

System features include busy-station number indication, camp-on and call transfer. The feature selector chart, on the back page, lists many of the standard and optional features avaliable with the Series 50.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2307. And be sure to ask about T-3307, a full-color brochure, written to your business prospects, and available for your use.


FX PABX

economy with full features—can't be outgrown

System capacity is unlimited.

Here is a telephone system that meets subscriber growth even before it happens. Starting with a capacity of as few as 50 lines, the Stromberg-Carlson FX PABX can be expanded indefinitely. And keeping pace with customer growth is more than increased revenue for you—it's also excellent customer relations.

System features include busy-station number display, executive right-of-way, camp on, and conference service. The feature selector chart, on the back page, lists many of the standard and optional features available with the Series 80.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2310. And be sure to ask about T-3310, a full-color sales brochure, written to your business prospects, and available for your use.
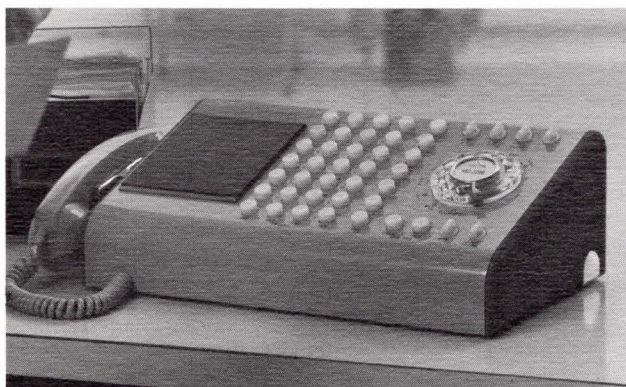

SERIES 80 PABX

for economy the lowest-cost board in its class

System capacity is 80 lines, 14 trunks, and 14 links.

The Series 80 PABX costs less because it comes without frills. The perfect board for basic telephone service. It is the economical solution for many business applications, and is especially suited for hotel-motel use. Attendant's equipment can be the exclusive TOUCH-LITE turret or the cord-type attendant's cabinet.

System features include busy-station number display, call blocking, and conference service. The feature selector chart, on the back page, lists many of the standard and optional features available with Series 80.

For complete information, call your Stromberg-Carslon representative and ask to see sales brochure T-2308. And be sure to ask about T-3308 and T-3309, full-color sales brochures, written to your business prospects and hotel-motel prospects, and available for your use.
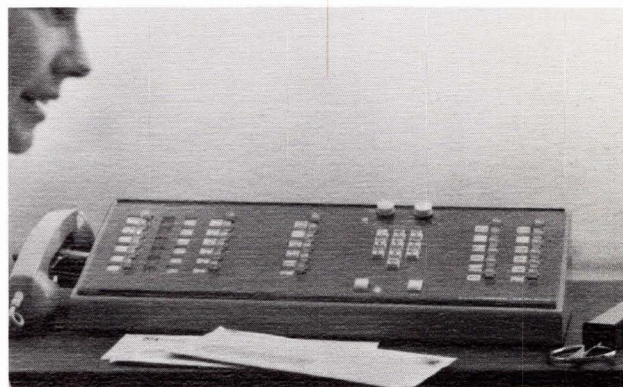
XY® CENTREX PABX

the fastest operating full feature Centrex available

System capacity is unlimited.

XY Centrex is the fastest operating full-feature Centrex available; offers unlimited capacity for central-office or customer-premise installation, provides direct inward dialing, direct outward dialing, PABX intercommunication, and, when desired, identified outward dialing. XY Centrex can serve one or several PABX customers in an area from one centralized system . . . and each can select any combination of services.

The feature selector chart, on the back page, lists many of the standard and optional features available with the XY Centrex.

For complete information, call your Stromberg-Carlson representative and ask to see sales brochure T-2312. And be sure to ask about T-3312, a full-color sales brochure, written to your business prospects, and available for your use.

FEATURE SELECTOR CHART

FEATURES	10A	20A	30F	30G	30H	30J	30K	40A	40C	40D	40E	50A	80A	FX	XY Centrex
Pushbutton Desk Turret	*	S	S	S	S	—	—	S	—	S	S	S	S	S	S
Pushbutton Floor Turret	—	—	—	—	—	—	—	S	—	S	S	—	—	—	—
Executive Right-of-Way	—	S	S	S	S	S	S	O	O	O	O	S	O	S	—
Consultation	—	S	S	S	S	S	S	S	S	S	S	S	—	S	S
Pushbutton Call Transfer	S	S	S	—	S	S	—	S	S	—	S	S	—	—	—
Dial 1 Call Transfer	—	—	—	S	—	—	S	—	—	S	O	—	—	S	S
Class-of-Service	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Direct Inward Dialing	—	—	O	O	—	S	S	O	S	O	—	—	—	—	S
Direct Outward Dialing	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Night Answering—Universal	—	S	S	S	S	—	—	O	—	O	O	S	O	S	O
Camp-On Busy Line	—	S	S	S	S	—	—	S	—	S	S	S	—	S	S
Attendant's Service Line	S	S	S	S	S	—	—	S	—	S	S	S	S	S	S
Busy-Station Number Display	—	S	S	S	S	—	—	S	—	S	S	S	O	O	—
Pushbutton for Extending Incoming Calls	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—
Keyset Extends Incoming Calls	—	—	S	S	—	—	—	—	—	—	—	—	—	—	—
Keyset Extends Incoming Calls, Places CO Calls	—	—	—	—	S	—	—	S	—	S	S	—	—	S	S
Busy Override	—	S	S	S	S	—	—	S	—	S	S	S	—	S	O
Hold and Recall	—	S	S	S	S	—	—	S	—	S	S	S	S	S	—
Monitoring	—	O	S	S	S	—	—	S	—	S	S	S	S	S	—
Night Answering—Preselected	S	S	S	S	S	—	—	S	—	S	S	S	S	O	O
Power Failure Transfer on First Trunk	S	S	S	S	S	—	—	†	†	†	†	S	S	†	†
Power Failure Transfer on Additional Trunks	—	O	O	O	O	—	—	†	†	†	†	O	—	†	†
Toll Diversion	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Dictation Adapter	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Voice Paging	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Code Call	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Three-Way Conference	—	—	—	S	—	—	S	—	—	S	S	O	—	S	S
Meet-Me Conference	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Line Lockout	S	S	S	S	S	S	S	S	S	S	S	—	—	—	—
Message Waiting	O	—	O	O	O	—	—	O	—	O	O	—	O	O	O
Consecutive Number Hunting	—	S	S	S	S	O	O	S	S	S	S	S	S	S	S
Message Register	O	—	O	O	O	O	O	O	O	O	O	O	O	O	O
Tie Line	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Multiple Trunk Groups	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O

S = Standard   O = Optional   — = Not Available   * = Three or two line telephone can be used for answering incoming calls and call transfer.
† = Power failure transfer not required when storage battery and charger are used for power supply.

From 2-line **Key-ABX**™ Systems to full-featured, unlimited capacity PABX Systems, there's a Stromberg-Carlson business communication system that meets every requirement. And when you have a wide enough choice, you can match PABX earning power to the communications job.

Stromberg-Carlson has the **Key-ABX** and PABX line with the optimum combination of styling, features, price . . . and excellent delivery.

Start matching your earning power to your communications jobs. Expert assistance is always available to help you make the right choice for each subscriber. Call your Stromberg-Carlson representative.

Stromberg-Carlson
A SUBSIDIARY OF GENERAL DYNAMICS CORPORATION

ROCHESTER, NEW YORK 14603

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STROMBERG-CARLSON

PABX EQUIPMENT

From
key telephone
systems to
full-feature,
unlimited capacity
switchboards—
there's a
Stromberg-Carlson
PABX
that meets
every
requirement.

S-C 1A2
Key Telephone System

The S-C 1A2 Key Telephone System offers unsurpassed flexibility in meeting a wide variety of capacity and service requirements. Prewired, plug-in modules permit ease of expansion or change in service at any time. In addition, modular construction simplifies maintenance, minimizes downtime, and reduces inventory requirements. The system provides access to central-office and PBX lines and can be equipped with a manual intercom, a dial-selective intercom, or both.

OUTSIDE LINE SERVICE

There's an S-C Key Telephone System to fit any line capacity. The compact S-C 550 4-line system is ideal where outside line requirements and growth potentials are low. The S-C 500 6-line system is ideal where line requirements and growth potential are moderate. The S-C 583A and S-C 584A 13- and 15-line cells are ideal for large capacity systems or for forming a centralized group of key telephone systems.

The compact S-C 550 4-line system provides access to 4 outside lines or to 3 outside lines plus manual intercom. "Hold" on all lines; visual signals indicate status of lines; a choice of three audible signaling options; time-out of locked-in signals; and power failure safeguard are just a few of the standard features. This wall-mounted unit is prewired for full 4-line capacity and line cards can be plugged in as needed. The overall dimensions of the unit are 8" wide, 15¼" high, and 5⅔" deep.
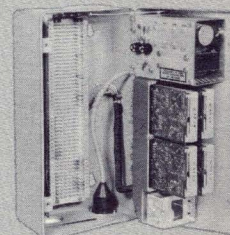
The S-C 500 6-line system has all the features of the S-C 550 and provides access to 6 outside lines or to 5 outside lines plus manual intercom. This full-featured unit is available for wall or floor mounting. A swing-out gate, opening right or left as desired, puts all wiring out front. The floor-mounted unit, which provides space for mounting the power supply and a dial-selective intercom unit in addition to the line-card cell, is 14⅛" wide, 28³⁄₁₆" high, and 9½" deep. The wall-mounted unit, which provides space for mounting power supply or dial-selective intercom in addition to the line-card cell, is 13¼" wide, 16⅝" high, and 9⅜" deep.
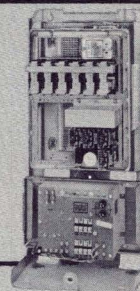
The S-C 584A is a 13-line cell used when a key telephone system with a large capacity is required or when equipment for more than one key telephone system is located in the same area. A 15-line cell, S-C 583A, is also available for line capacity expansion. Cells mount on standard 23" racks or in wall-mounted cabinets. Quick-connect terminals are standard with all units.
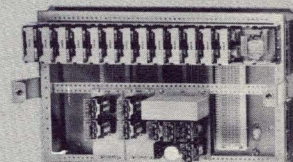
DIAL-SELECTIVE INTERCOM

Here are three dial-selective intercoms—each designed to permit dial selection of any one of up to 36 stations. Start with a nine-station intercom and add stations as needed. Stations are selected by a one digit code for up to nine stations and two digits after nine stations are exceeded.

The SELECTOR-ONLY Dial Intercom with a common talking path, permits dial selection of any one of 36 stations. Intercom features include audible and visual signaling, preset conference arrangements, and service to off-premise station.

The SINGLE-TALKING LINK Dial Selective Intercom with one private talking path, permits dial selection of any one of 36 stations. Plus features for this intercom include flashing lamp on incoming calls, camp on, and busy tone.

The TWO-TALKING LINK Dial Intercom with two private talking paths, permits dial selection of any one of 36 stations. This full-featured system permits simultaneous and independent private two-way conversation. If a larger link capacity is required, the Stromberg-Carlson 4-20 providing 4 links with a 20-station intercom is available.

PUSHBUTTON TELEPHONE SERVICE
fast connection—private conversation—simple operation

The 1700 Series Telephones, which blend with the most modern office decor, are recommended for use with the S-C 1A2. Available in black, beige, gray, or green; for desk or wall mounting; and with plug-in connectors or spade terminals.

5-LINE DESK TELEPHONE • Equipped with illuminative pushbuttons that can show the status of each line at a glance, this desk telephone permits the subscriber to originate, answer, and hold calls on any of five lines (or four lines plus intercom).

11-LINE DESK TELEPHONE • If growth is expected or the immediate requirement is for more than five lines at one station, it is advisable to provide this 11-line desk instrument. The 11-line telephone can be equipped initially with five lines and hold and then when required, the second set of pushbuttons can be plugged in to provide selection of six additional lines.

11-LINE WALL-MOUNTED TELEPHONE • Where desk space is at a premium, this wall-mounted telephone answers the need for fast, efficient communications. Like the 11-line desk telephone, it can be equipped initially for five lines and then expanded to eleven lines by plugging in a second set of pushbuttons when required.

BUSY STATION NUMBER DISPLAY • A separate unit containing a busy-station number display field for 36 stations provides the receptionist or attendant with a visual idle/busy indication of each line associated with the Key Telephone System, thus reducing call handling time and improving telephone service.

STROMBERG-CARLSON
CORPORATION

ROCHESTER, NEW YORK 14603

STROMBERG-CARLSON

## SERIES 5, 6, AND 7 PAX

PRIVATE AUTOMATIC EXCHANGES

The Stromberg-Carlson Series 5, 6, and 7 PAX Systems are fully-automatic, dial-telephone, intercommunication systems. They are designed to operate in conjunction with multi-line, pushbutton telephones to provide intercom service on the same telephone as used for outside calls. This permits incoming calls to be answered at any telephone. These calls can be placed on hold and, using the intercom system for consultation, another party can be called to pick up the call or to enter the call for a conference with the outside party.

When outside service is not required, standard two-wire dial telephones with ringers or buzzers can be used. These "intercom only" telephones can be used at selected locations, to prevent unauthorized outside calls; or at all locations, to provide an independent intercom system.

The Series 5, 6, and 7 PAX Systems are similar. The principal difference is the number of lines and talking paths provided. Each talking path permits one private conversation. In order of size, the Series 7 has a maximum capacity of 10 lines and 2 talking paths, the Series 5 has a maximum capacity of 28 lines and 4 talking paths, and the Series 6 has unlimited capacity of both lines and talking paths.

The Series 5 or 6 PAX can be used for intercommunication in conjunction with Key Telephone Systems such as the S-C 1A2. When connected as an intercom expander, any station in the system can originate and receive calls from any other station.
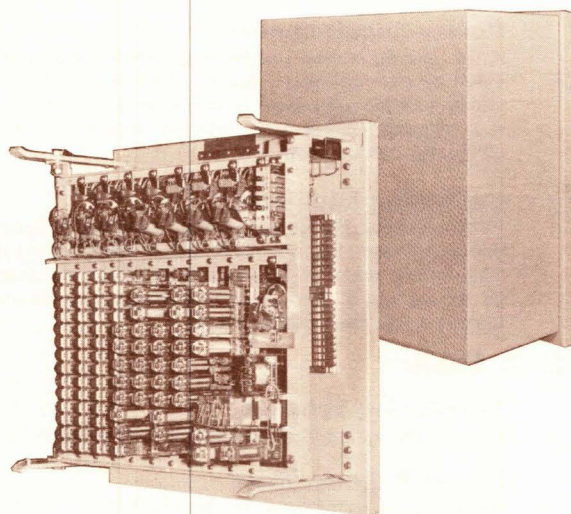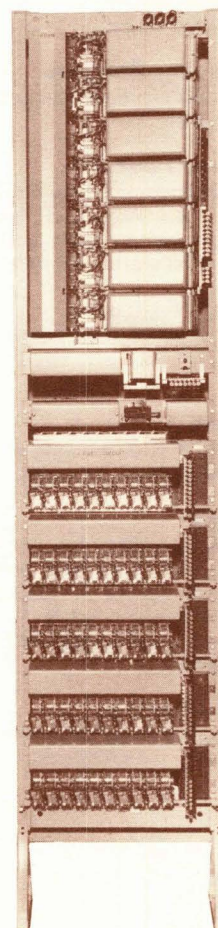

SERIES 5
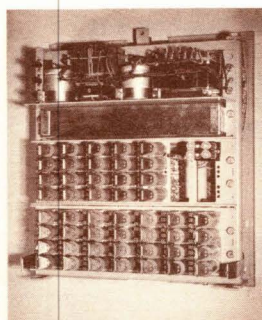
SERIES 6

SERIES 7

SERIES 5 PAX

Capacity
The Series 5 PAX is available in two models. Model 28-4 provides for a maximum of 28 lines with 4 simultaneous talking paths. Model 15-3 provides for a maximum of 15 lines with 3 simultaneous talking paths; however, the Model 15-3 can be easily expanded to a Model 28-4.

Numbering Scheme
1 to 9, 01 to 09, 001 to 009, and 000.

Standard Features
Automatic operation; only one phone required for outside and intercom calls; hold and consultation calls; intercom-only phones can be provided; talking path release on busy or on 30-second failure-to-dial time out.

Optional Features
Executive right-of-way; meet-me conference for a maximum of 3 or 4 stations; code-call for a maximum of 25 or 125 codes; paging from one telephone or all telephones; tie lines; rotary hunting for 1 to 13 groups of 2 lines each.

Station Wiring
Two conductors; maximum line loop resistance is 350 ohms, not including telephone. Executive right-of-way or paging requires a telephone with pushbutton and one additional wire between this telephone and the PAX cabinet.

Power Requirements
A 24-volt dc power source is required and is normally provided by a 20-amp-hour storage battery and 2.5 amp charger. When sufficiently stable commercial power is available and intercom service is not required during a commercial power failure, a 4-amp battery eliminator can be used.

Switching Equipment
Contained in wall-mounted cabinet. Equipment is mounted on a hinged-gate for easy access to wiring. The enclosure measures 25 inches high, 23½ inches wide, and 12 inches deep not including power supply. Net weight is 128 lbs.; shipping weight is 190 lbs.

SERIES 6 PAX

Capacity
The Series 6 PAX is designed for installations requiring 20 or more lines initially and provides for unlimited expansion. The basic line-connector rack is wired for 50 lines and 7 connectors (talking paths) and can be equipped with lines in multiples of 10 and connectors as required. Two line-connector racks provide up to 100 lines and 14 connectors. Beyond 100 lines, selectors are required and each selector rack is wired for a maximum of 15 selectors and can be equipped as required. Provision can be made to permit private-line service, two-party service, or multi-party service serving up to 10 parties on a line with selective ringing.

Numbering Scheme
Two digit dialing is used for up to 100 lines, three or more digits over 100 lines.

Standard Features
Automatic operation; only one phone required for outside and intercom calls; hold and consultation calls; intercom-only phones can be provided; talking path release on busy or on 30-second failure-to-dial time out.

Optional Features
Executive right-of-way; meet-me conference for a maximum of 5 stations; code call for a maximum of 10, 25, or 125 codes; paging from one telephone or all telephones; tie lines; rotary hunting over any connector level; party lines can be provided if required with fully selective ringing for up to 10-party lines. Reverting call selector allows any party on a line to call any other party on this line.

Station Wiring
Two conductors; maximum line loop resistance is 1000 ohms not including the telephone; a long-line adapter is available to permit use of lines up to 2000 ohms plus telephone.

Power Requirements
A 24-volt dc power source is required and is normally provided by conventional battery and charger. When sufficiently stable commercial power is available, and intercom service is not required during a commercial power failure, a battery eliminator can be used.

Switching Equipment
Rack mounted. Racks are 7½ feet high and 13½ inches deep; line connector racks are 20¼ inches wide; selector racks are 18½ inches wide. A 100-line switchboard requires less than 27 square feet of floor space including access space; shipping weight is less than 500 pounds.

SERIES 7 PAX

Capacity
The Series 7 PAX provides for a maximum of 10 lines with 2 simultaneous talking paths.

Features
Automatic operation; only one phone required for outside and intercom calls; hold and consultation calls; intercom-only phones can be provided. Executive right-of-way is available as an option for station line No. 1. Certain other optional features, while not normally used with a small PAX, can be provided when required.

Station Wiring
Two conductors; maximum line loop resistance is 650 ohms, not including the telephone.

Numbering Scheme
Single digit dialing (1 to 9 and 0) is used with the Series 7 PAX.

Power Requirements
All power requirements are provided by a built-in 48-volt battery eliminator equipped with a cord for connecting to a conventional 117 volt, 60 cps ac outlet.

Switching Equipment
Contained in wall-mounted cabinet. The equipment is on a hinged gate which swings out for easy access to the wiring. The enclosure measures 15 inches high, 13 inches wide, and 5½ inches deep. Net weight is 37 pounds.

STROMBERG-CARLSON

SERIES 10

MOTEL PABX

Model 10A

The Model 10A PABX is designed to furnish economical and efficient telephone service to motels having up to 30 rooms. This PABX requires a minimum of attention on the part of the desk clerk. There is no attendant's turret—a standard telephone (single, two, or three line) with transfer button is used for answering incoming calls and for call transfer. When a three-line telephone is provided, incoming calls to the third line are not routed through the PABX equipment but are received directly from the central office. Room-to-room calls, local city calls and, when provided, long-distance calls can be dialed directly without desk clerk assistance. Message registers, which keep an automatic count of the number of local calls made from each room, can be provided. Message-waiting equipment, to inform guests that a message is waiting at the desk, can be provided.

SERIES 10 PABX • MODEL 10A

Brief Specifications

TYPE: A PABX for motels of up to 30 rooms. Telephone with call-transfer button at desk handles incoming calls and permits extending calls to any room.

CAPACITY: 35 lines, 4 trunks, 2 links; wiring option permits desk clerk to answer incoming trunk calls when both links are busy.

NUMBERING SCHEME: 10-19, 20-29, 30-39 for room numbers; 4, 5, 6 for special services; 7 to answer trunk calls; 8 for toll call access; 9 for local access; 0 for attendant or room clerk.

ATTENDANT'S EQUIPMENT: Single-line telephone with call transfer button can be used; two-line or three-line telephone with call transfer button is recommended. For night answering in manager's quarters, provide extension telephone same as attendant's phone.

SWITCHING AND POWER EQUIPMENT: Switching and power equipment mounted in cabinet, 54" high, 28" wide, 17" deep including casters and hinged doors.

POWER REQUIREMENTS: Built-in power supply operates from 105-125 vac, 60 cps, providing 48 vdc for system operation.

TELEPHONES: Standard wall or desk telephones for guest rooms. Use telephone with message-waiting lamp when message waiting service is desired.

STATION WIRING: Two conductors; maximum line loop 500 ohms. Additional wire to ground required for telephone using transfer facility.

STANDARD FEATURES: Guest room-to-room dialing; guest dialing of local and, if so arranged, toll calls; guest dialing for special services; call transfer from any call-transfer phone; incoming trunk call pickup from one, all, or selected group of stations.

OPTIONAL FEATURES: Message waiting; message register; toll restriction.

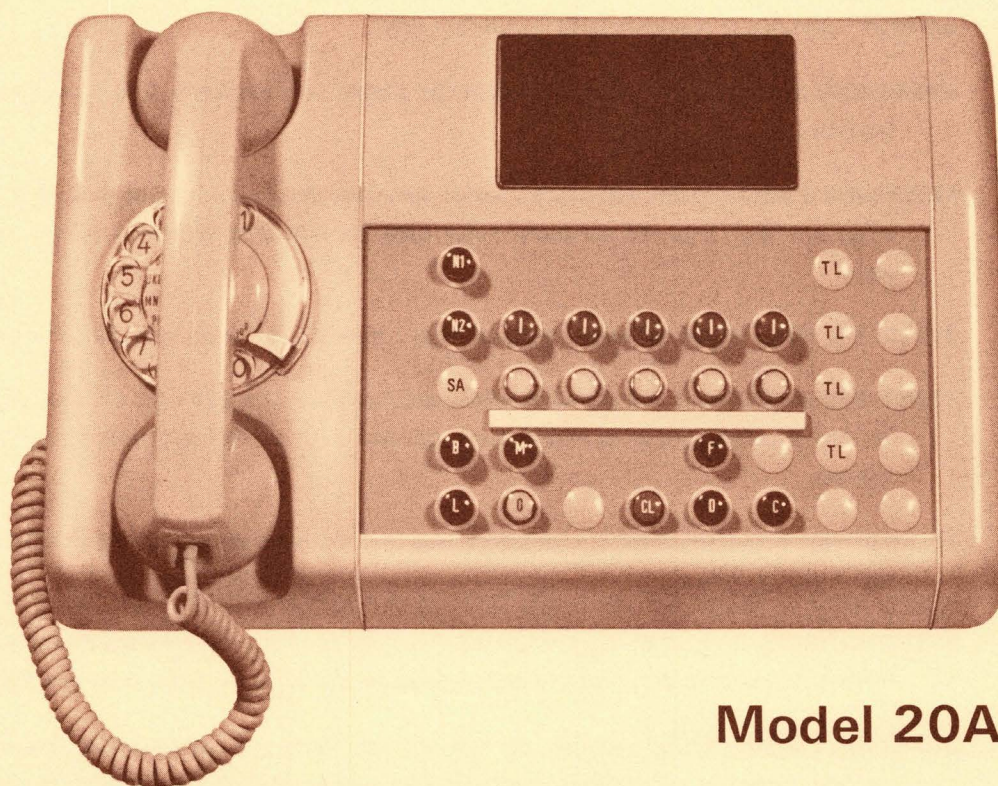## STROMBERG-CARLSON CORPORATION

ROCHESTER, NEW YORK 14603

STROMBERG-CARLSON

SERIES 20 PABX

Model 20A

The Model 20A PABX is a compact, versatile, fully automatic telephone system designed specifically for offices and small business organizations which do not require a large number of station lines or more than 5 central-office trunks. Start with as few as 10 lines and 2 central-office trunks. System can be easily expanded up to 25 lines and 5 central-office trunks.

Attendant's pushbutton turret with busy-station number display increases efficiency and simplifies call-handling procedures. Many ''big system'' features are standard with Series 20 PABX.

SERIES 20 PABX · MODEL 20A

Brief Specifications

TYPE: A compact, fully automatic PABX designed specifically for small business applications. Attendant's desk-mounted turret with busy-station number display is standard. Turret can be eliminated, by using station answering and call-transfer facility to handle incoming calls.

CAPACITY: 25 lines, 5 trunks, 4 links, 1 overflow link.

NUMBERING SCHEME: 3-9, 01-09, 001-009 for station line numbers; 1 for turret attendant; 2 for trunk access.

ATTENDANT'S EQUIPMENT: Attendant's turret with busy-station number display, 9 1/8 " deep, 15 3/16" wide, and 5 7/16" high. 76 conductor cable used between attendant's turret and switching equipment.

SWITCHING EQUIPMENT: Mounted on rack 27 1/2 " wide, 82 1/2 " high, and 10 1/2 " deep.

POWER REQUIREMENTS: Battery eliminator operating from 105-125 vac, 60 cps, providing 24 vdc for system operation; or 24 vdc battery, 30 amp-hour (8 hr rate) with 3 amp 24 vdc battery charger.

TELEPHONES: Standard desk or wall telephones. To provide call transfer, use telephone equipped with transfer button.

STATION WIRING: Two conductors; when call transfer is used, requires additional wire to ground. Maximum line loop 400 ohms; long-line adapter available for 1000 ohm and 2000 ohm loops.

STANDARD FEATURES: Busy-station number display; camp-on; night-service; consecutive number hunting; executive right-of-way; restricted line service; station answering of trunk calls; consultation; pushbutton call transfer; trunk hold and attendant recall; busy override; power failure transfer on first trunk.

OPTIONAL FEATURES: Code call; meet-me conference; paging; tie lines, monitoring; toll restriction; dictation adapter.

STROMBERG-CARLSON CORPORATION

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STROMBERG-CARLSON

SERIES 30 PABX SYSTEMS

The Series 30 PABX Systems are full featured private automatic telephone systems, designed to provide a wide variety of subscriber services. Start with 20 lines, 2 central-office trunks, 2 links, and an overflow link. As your subscriber needs increase, the system can be expanded easily to 100 lines, 20 central-office trunks, 12 links and an overflow link.

There are five basic Series 30 PABX Systems from which to choose. Each is equipped with a different group of standard features and each offers a selection of optional features to increase system versatility. The Model 30H is designed for motel applications.

Note: Series 30 PABX Systems designated Type C, D, and E are no longer available. However, additions are available.

Models 30F, 30G, 30H, 30J and 30K Systems are equipped with the following standard features and can be equipped with optional features as listed below. Additional standard and optional features are available with each model as outlined in the description of each system.

STANDARD FEATURES	OPTIONAL FEATURES
*Consecutive Number Hunting	Code Call
†Consultation and Call Transfer	Conference
Direct Outward Dialing	Paging
‡Camp-on	Tie Lines
‡Attendant's Service Line	Dictation Adapter
‡Busy Station Number Display	Multiple Trunk Groups
‡Busy Override	Message Waiting
‡Hold and Recall	Message Register
‡Keyset for extending incoming central-office calls	Long-Line Circuits
‡Monitoring	Second Service Line
‡Night Service	Call Distribution
‡Power Failure Cut Through on first Trunk	Power Failure Cut-Through on Additional Trunks
Station to Station Calls	Toll Restriction/Per Trunk
Plug-In Relay Plates, Switch Banks, and Interrack Wiring	Toll Restriction/Universal
Line Lockout	§Alternate Night Service
Link Rotation	
Link Release on Trunk Calls	
Station Answering	
Overflow Link	
Restricted Service (Class-of-Service)	
Toll Restriction Cancellation/ Per Line	
Executive Right-of-Way	

*Feature is optional with Models 30J and 30K.
†Features are limited to night station only with Model 30H Motel System.
‡Features are standard with all systems using attendant's turret.
§When station answering is not used.

■ MODEL 30F

Attendant's Position: Cordless (pushbutton) desk-mounted turret with busy-station number display. Keyset for extending incoming calls to stations. Dial is used for outgoing central-office calls. Turret can be eliminated by using station answering and call transfer facility to handle incoming calls.

Additional Standard Features: Call transfer using station telephone with transfer button.

Additional Optional Features: Direct inward dialing.

■ MODEL 30G

Attendant's Position: Same as Model 30F.

Additional Standard Features: "Dial 1" call transfer.

Additional Optional Features: Direct inward dialing.

■ MODEL 30H Motel System

Attendant's Position: Same as Model 30F.

Additional Standard Features: Call transfer from desk and manager's quarters using station telephone with transfer button. Three-way conference when night station extends incoming call.

Additional Optional Features: Message waiting. Message register.

■ MODEL 30J

Attendant's Position: None.

Additional Standard Features: Direct inward dialing. Call transfer using station telephone with transfer button.

■ MODEL 30K

Attendant's Position: None.

Additional Standard Features: Direct inward dialing. "Dial 1" call transfer.

GENERAL SPECIFICATIONS

Telephones—Standard desk or wall telephones. To provide pushbutton call transfer use telephone equipped with transfer button ("dial 1" call transfer uses standard telephone). A telephone incorporating a message-waiting lamp is required when message-waiting service is desired.

Station Wiring—Two conductors are required with system which uses "dial 1" transfer or where no transfer facility is provided. Pushbutton call transfer requires additional wire to ground. Maximum line loop 400 ohms; long-line adapters available for 1000 and 2000 ohm loops.

Power Requirements—Battery eliminator operating from 105-125 vac, 60 cps, providing 24 vdc for system operation or 24 vdc battery (200 amp-hour, 8 hour rate, for fully equipped system) with 24 vdc battery charger (12 amp for fully equipped system).

Attendant's Equipment—Attendant's turret with busy-station number display and keyset for extending incoming calls to PABX stations, 9 1/8" deep, 18 3/16" wide, and 5 7/16" high.
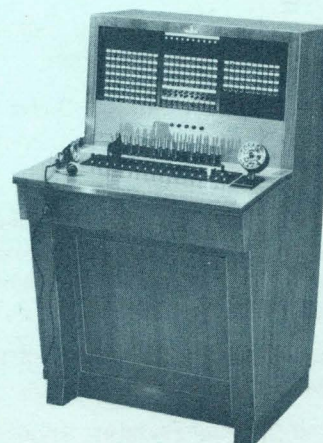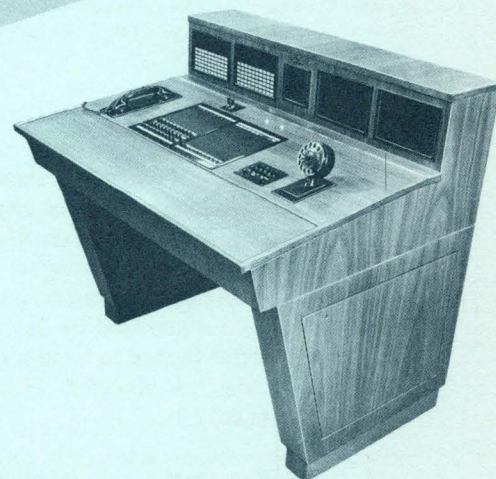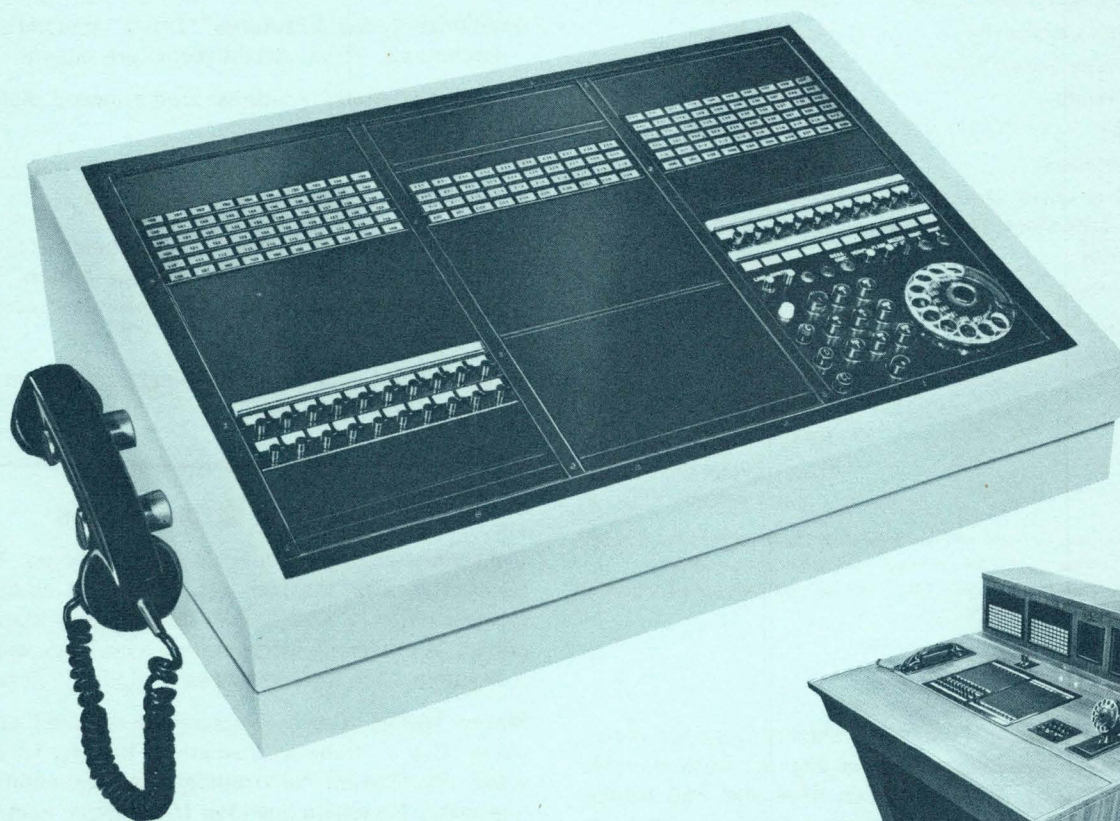

■ STROMBERG-CARLSON CORPORATION
ROCHESTER, NEW YORK 14603

BRANCH SALES OFFICES:
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STROMBERG-CARLSON
SERIES 40 PABX SYSTEM

A custom engineered PABX system that can be equipped with attendant's pushbutton operated desk-mounted turret or floor-mounted console; attendant's cord-type floor-mounted console; or when attendant's service is not required, system can be equipped for direct inward dialing, or station answering and call transfer facility can be utilized.

System capacity is unlimited—it is an ideal system when estimated ultimate capacity is in excess of 100 lines or 20 trunks. There are five basic Series 40 PABX Systems from which to choose. Each model is equipped with a different group of standard features and each offers a selection of optional features to increase system versatility. The Model 40E is designed for motel applications. Additional equipment and features can be provided by special engineering on a project basis.

All models are equipped with standard features and can be equipped with optional features as listed below. Additional standard and optional features are available with each of the models as outlined in the description of each system.

STANDARD FEATURES	OPTIONAL FEATURES
Unlimited Expansion	Code Call
Direct Outward Dialing	Dictation Adapter
Consecutive Number Hunting	Executive Right-of-way
*Consultation and Call Transfer	Meet-Me Conference
†Attendant's Service Line	Long-Line Circuit
†Busy-Station Number Display	Multiple Trunk Groups
†Busy Override	Paging
†Camp-on	Station Answering
†Hold and Recall	Tie Lines
†Keyset to extend incoming calls and to place central-office calls	†Information Line
†Monitoring	Message Waiting
†Night Service	Message Register
Station-to-Station Calls	Restricted Service (Class-of-Service)
‡Lockout	Toll Restriction Cancellation/ per Line
	Toll Restriction/per Trunk
	Toll Restriction/Universal
	Trunk Intercept (to recorded announcement)

*Feature limited to night station only with Model 40E Motel System.
†Features standard with all systems using attendant's turret.
‡Feature optional with Model 40B. When lockout is supplied, signal to attendant can be provided.

■ MODEL 40A

Attendant's Position: Cordless (pushbutton), turret or console, with busy-station number display. Desk-mounted turret capacity is *500 station lines and *50 trunks. Floor-mounted console capacity is *400 station lines, 60 trunks. Floor consoles can be multipled. Attendant's position can be eliminated by using station answering and call transfer facility to handle incoming calls. Both keyset and dial are provided. Either may be used to handle any calls.

*When busy-station number display with 100-group switching is provided, line handling capacity of turret or console is unlimited and space becomes available on turret for increasing trunk handling capacity to 100 trunks.

Additional Standard Features: Call transfer using station telephone with transfer button.

Additional Optional Features: Direct inward dialing.

■ MODEL 40B

Attendant's Position: Cord-type floor-mounted console. Capacity 600 lines, 30 trunks and 15 cord pairs. Consoles can be multipled when specified on original order. Dial is used to handle all calls.

Additional Standard Features: Call transfer using station telephone with transfer button.

Additional Optional Features: Direct inward dialing.

■ MODEL 40C

Attendant's Position: None

Additional Standard Features: Direct inward dialing. Call transfer using station telephone with transfer button.

Additional Optional Features: Station answering.

■ MODEL 40D

Attendant's Position: Same as Model 40A.

Additional Standard Features: "Dial 1" transfer. Three-way conference. Trunk circuit plates are plug-in.

Additional Optional Features: Direct inward dialing.

■ MODEL 40E

Attendant's Position: Same as Model 40A.

Additional Standard Features: Call transfer from night station using telephone with transfer button. Three-way conference when night station extends incoming trunk call to station.

Additional Optional Features: Single-digit room-to-service calls. Message register.

GENERAL SPECIFICATIONS

Telephones—Standard desk or wall telephones. To provide pushbutton call transfer use telephone equipped with transfer button ("Dial 1" call transfer uses standard telephone). A telephone incorporating a message waiting lamp is required when message-waiting service is desired.

Station Wiring—Two conductors are required with system using "Dial 1" transfer or where no transfer facility is provided. Pushbutton call transfer requires additional wire to ground. Maximum line loop 1000 ohms; long-line adapters available for loops up to 3000 ohms.

Power—Operates on 48-volt dc power supply. Conventional storage battery and charger recommended.

Attendant's Equipment — Attendant's pushbutton floor mounted console is constructed of walnut finish wood; 40¾" high, 43¼" wide, 33½" deep. Consoles can be multipled for expanding system capacity.

Attendant's pushbutton desk-mounted turret is metal with gray hammer-tone finish; 10½" high sloping to 4½", 27" wide, and 17½" deep. Turrets can be multipled for expanding system capacity. Attendant's cord-type floor-mounted console is walnut finish wood, 47¾" high, 27½" wide and 33½" deep. Consoles can be multipled for expanding system capacity.

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STROMBERG-CARLSON

SERIES 50 PABX
Model F-50A

The Stromberg-Carlson F-50A features the exclusive TOUCH-LITE® Attendant's Turret. Supervision of calls is accomplished by lightly pressing transluscent keys. In addition, the TOUCH-LITE Attendant's Turret insures fast and accurate service because every line and trunk has its own individual pushbutton and the lighted TOUCH-LITE buttons indicate, at a glance, the condition of each line and trunk. This compact turret provides facilities to service 50 PBX lines with 6 links, 10 central-office trunks, 2 information trunks, and an operator's trunk.

The telephone instrument used with the F-50A is the S-C 508B Desk or S-C 551B Wall—a standard subscriber instrument with a call-transfer button, available in the usual range of colors.

FEATURES

Busy Line Indication	Power Failure Cut-Through
Camp-On Busy Line	*Code Call
Attendant's Busy Override	*Conference
Consultation and Call Transfer	Paging
Universal Night Answering	Multiple Trunk Groups
Auxiliary Over-Flow Link	Tie Lines
Restricted Service	*Toll Diversion
Executive Right-of-Way	Release of Links on Trunk Calls
*Trunk Block Release	Trunk Splitting

*Optional

The two-toned (beige, gray, or green) turret is 5"
high at the rear sloping to 2½" at the front, 15"
wide, and 9" deep. Specifications include: lamps
replaceable from face side, cable entrance either
side, dial mounted right side, provision for opera-
tor's headset, standard telephone handset, soft-
pull retractile cord, and non-skid rubber feet.

All necessary switching and power equipment are
combined in a sound-treated cabinet 6'4" high,
4'1½" wide and 2' deep. The cabinet is mounted on
casters and is equipped with floor-locks to secure
unit in desired location. In addition to the switching
equipment, the system power supply is mounted
inside the cabinet. Power requirement is standard
110-125 volt ac, 60 cps.
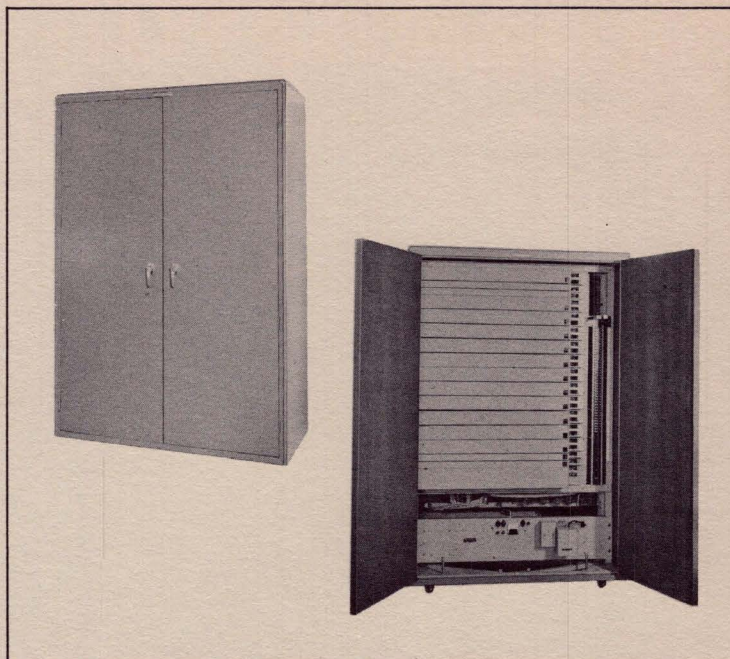
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T-6023/11F/GLP

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STROMBERG-CARLSON

SERIES 80 PABX

Model F-80A

The Stromberg-Carlson F-80A is available with the exclusive TOUCH-LITE® Turret equipped with busy-station number display or the Cord Attendant's Cabinet.

The turret is equipped with TOUCH-LITE pushbuttons, that indicate the condition of each trunk, and with a busy-station number display that shows, at a glance, the condition of each station line. This compact turret provides facilities to service 80 PBX lines with 14 links, 14 central-office trunks, and two information trunks. The F-80A TOUCH-LITE Turret available in beige, green, or gray, is 16" long, 9" deep, and 5" high at the rear, sloping to 2½" at the front.

The telephones used with the F-80A can be any standard type. A special telephone (S-C 508B, S-C 551, or equivalent) is required to implement power failure transfer.

FEATURES

Busy Line Indication

Hold for PBX and Trunk Calls

Restriction of Selected Phones

Night Answering

Power-Fail Transfer

Jack-In Circuit Plates

Restricted Service

Power Failure Cut-Through

Touch-Lite Turret or
  Cord Attendant's Cabinet

*Busy-Station Number Display

*Code-Call

*Meet-Me Type Conference

*Executive Right-of Way

*Universal Night Answering

*Call Blocking

  *Optional

The Cord Attendant's Cabinet is walnut finish with suntan face panels for pleasing contrast. It provides facilities for 80 PBX lines with 14 links, 14 central-office trunks, and 6 information trunks.

In addition to its many applications to various businesses, the F-80A has become increasingly popular in hotel-motel applications, where its capacity and many features provide the service required for hotel-motel guests. As an example, call blocking can be added to prevent guests from dialing directly to other rooms after certain hours; night transfer can be arranged to divert calls to a preselected station. Additional special purpose PBX equipment such as Message-Waiting Turrets, Message-Waiting phones, Message Registers, and Toll Diversion Equipment are available.

Switching equipment and power supply are contained in an office-gray, sound-treated cabinet mounted on casters with floor locks to secure unit in the desired location. The cabinet is identical to the cabinet used for F-50A switching equipment. Takes very little floor space. Dimensions: 6'4" high; 4'1½" wide; and 2' deep. When TOUCH-LITE Turret is used, a wall-mounted relay control cabinet is required. Dimensions of the relay cabinet are 26" high, 21" wide, and 10½" deep.
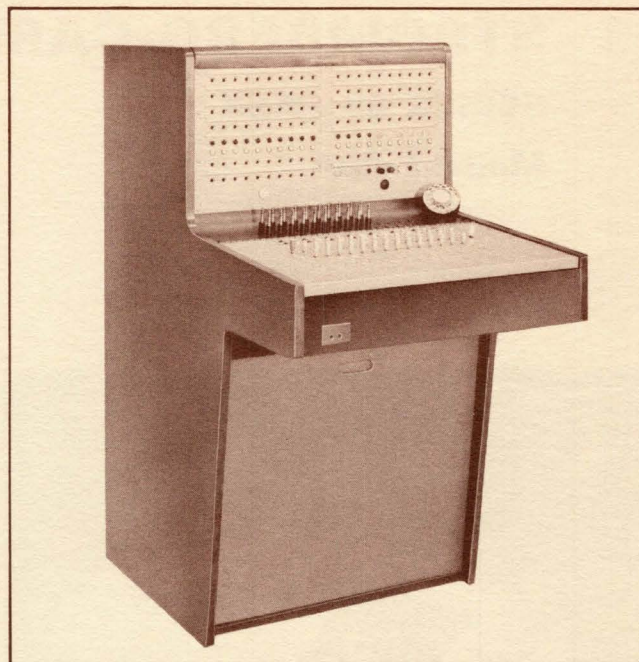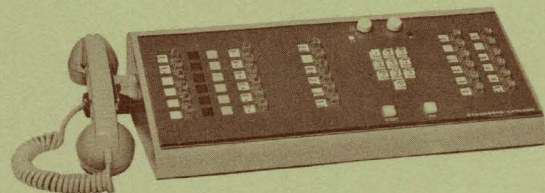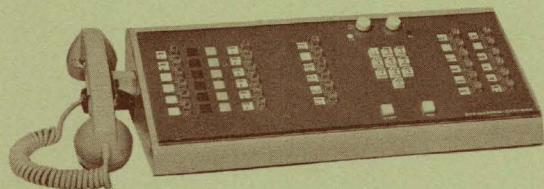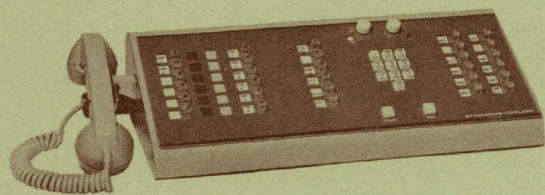
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STROMBERG-CARLSON

XY® CENTREX

To meet the complex demands of today's business requirements, Stromberg-Carlson offers XY® CENTREX—a modern concept of PABX Service. The capabilities and adaptability of XY CENTREX can best be shown by the following examples of its application and benefits.

XY Centrex can serve one or several PABX customers in an area from one centralized switching system. Each business served by the centralized system can choose any combination of features for each station in his group and each business will have its own compact turret or turrets for attendant's services.
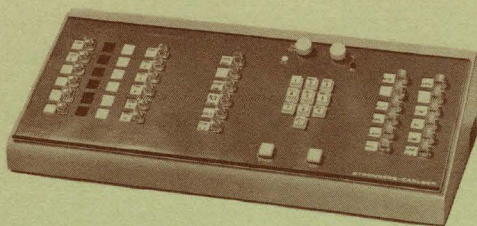
XY Centrex provides Direct Inward Dialing, Direct Outward Dialing, PABX Intercommunication, Identified Outward Dialing, Call Transfer, and all standard PABX services such as tie-lines, conference service, consultation, etc.

XY Centrex switching equipment can be installed on customer's premises or at the central office.

XY Centrex provides faster and more convenient services for the PABX station through Direct Outward Dialing (DOD) and for business customers through Direct Inward Dialing (DID). These services promote increased use of DDD facilities, and provide a more satisfactory feeling of privacy to the subscriber.

XY Centrex saves both subscriber and telephone company recording and accounting expense by providing detailed billing of toll calls to individual stations. Individual station billing encourages greater use of station-to-station service and provides the subscriber with benefits of accurate toll expense control.

XY Centrex attendant's turrets can be multipled. Incoming calls will be connected to turrets through call distribution equipment. Call-waiting lamps on turrets alert attendant to encourage quick completion of calls or to indicate the need for bringing an additional turret into service to handle the increased traffic.

Each customer served by the XY CENTREX System can have one or more turrets. Turrets can be arranged so that they can be removed from or placed into service as traffic requirements demand.

Attractive turret with pushbutton control and keyset.

Any standard desk or wall telephone can be used. Available in full range of decorator colors.

Here is a partial list of turret features—designed to increase communication efficiency.

Touch-Lite® Keys—Show at a glance the condition of each trunk line and progress of each trunk call.

Full Pushbutton Control—Increases speed of operation.

Multiple Turrets—For large systems, with traffic load requiring more than one attendant. Incoming calls will be extended to turrets on a share-the-load basis, through call distribution equipment.

Camp-On—An incoming call can be "camped" on a busy line. When the line is free, called telephone is automatically rung.

Busy Override—Works in conjunction with camp-on and allows attendant to cut in on a busy line to inform the party of a waiting call.

Keyset—Quickly extends incoming and establishes outgoing calls; more accurate, faster, and easier than dialing.

Handset or Headset—Turret has standard jack to permit use of either light-weight handset or attendant's headset.

Audible Signal—Indicates need for attendant's assistance. Provided with loudness control and on-off switch.

Call Waiting Lamp—Lights when a call or calls, exceeding the call handling capacity of the turret, are waiting to be answered. Encourages quick completion of calls and indicates the need for bringing an additional turret into service to handle the traffic.

Optional turret features include paging and code call from the turret; night service to ring a predetermined telephone when the turret is unattended at night; day service to ring a predetermined telephone if the attendant must leave the turret unattended during the day.

Here is a partial list of standard and optional services from any telephone.

Direct Inward Dialing—Directory listing of all stations permit DID calls to bypass attendant—providing faster and more convenient service on incoming calls.

Direct Outward Dialing—Permits outside calls to be made by dialing direct without turret attendant's assistance.

Identified Outward Dialing—Provides PABX station party identification when used with toll-ticketing equipment. All charged calls can be itemized monthly by PABX station number.

Intercommunication—Permits dial selection of all PABX stations on the same system.

Call Transfer—Dial "1" to transfer incoming local or long distance calls to other PABX stations.

Consultation—Private consultation with turret attendant or another inside telephone while holding outside call.

Recall Attendant—Dial "O" to recall turret attendant to handle outside call.

Restricted Service—Provides, on a line basis, restriction of access to central-office trunks according to class of service.

Toll Diversion—Provides, on a line basis, control of toll trunk access. Control of access to local central-office trunks is not affected.

Conference—"Meet-Me" type conference service.

Executive Right of Way—Permits selected executives to enter a busy line after a warning tone by dialing access digits.

Night Answering—Permits answering of incoming calls by dialing an answering digit from any telephone.

Call Intercept—DID calls to stations, temporarily disconnected or with numbers changed, are routed to attendant or tape announcer.

Other available features include paging or code call from any telephone; dictation equipment access; etc.

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FX DIAL PBX

TELEPHONE

SYSTEM

Here is a telephone system that meets the needs of any business, no matter how large, no matter what special services are desired.

Start with as few as fifty lines; unlimited expansion to keep pace with business growth. Add special services as desired.

Solves unusual or complex communication problems efficiently and economically. Provides many services not previously available. Uses standard wall or desk dial telephones.

Performs automatically many duties formerly required of your switchboard attendant. Speeds handling of incoming calls; your telephone door is always open for business.

The modern design of the TOUCH-LITE® Turret presents a pleasing appearance in any location; features touch-tone calling and lighted buttons to signal the progress of incoming calls.

Any standard desk or wall telephone can be used. Available in black, beige, gray and green or choice of decorator colors. Special purpose phones are available for secretarial service, etc.

The Busy-Station Number Display adds efficiency by providing the turret attendant with immediate knowledge, by lighted numbers, of the stations currently in use.

Here is a partial list of services available from any telephone without assistance from the turret attendant.

Transfer Calls—Dial "1" to transfer outside calls to another inside telephone.

Recall Attendant—Dial "0" to recall turret attendant to handle outside call.

Consultation—Private consultation with turret attendant or another inside telephone while holding outside call.

Executive Right-of-way—Permits selected executives to enter a busy line after a warning tone by dialing "1."

Conference—Up to six inside telephones and one outside call can participate in a conference.

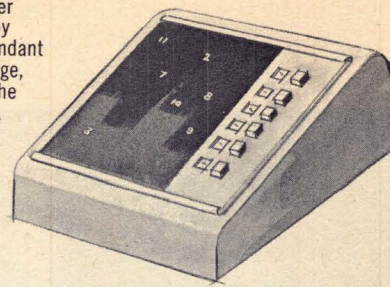**Night Answering**—Permits answering of incoming calls from any telephone by dialing an answering digit.

Direct Outward Dialing—Permits outside calls to be made by dialing direct without turret attendant's assistance.

Restricted Service — Individual telephones can be prevented from making outside calls without turret attendant's assistance.

Toll Diversion — Permits designated telephones to direct dial on local outside calls but prevents these telephones from making toll calls.

Options—Many optional features such as paging or code call from any telephone; dictation equipment access; etc. Consult your telephone company representative.

Here is a partial list of turret features—designed to increase your communications efficiency.

Touch-Lite Keys—Show at a glance the condition of each trunk line and progress of each trunk call.

Full Pushbutton Control—Increases speed of operation.

Multiple Turrets—For large systems, special requirements, or when traffic load requires more than one attendant; also when more than 30 trunks are required.

Camp-On — An incoming call can be "camped" on a busy line and will start ringing when the line is free.

Busy Override—Works in conjunction with camp-on and allows attendant to cut in on a busy line to inform the party of a waiting call.

Keysender—Quickly extends incoming and establishes outgoing calls; faster and easier than dialing.

Handset or Headset—Turret has standard jack to permit use of either light-weight handset or headset.

Audible Signal—Indicates need for attendant's assistance. Provided with loudness control and on-off switch.

Options—Optional turret features include paging and code call from the turret; night service to ring a predetermined telephone when the turret is unattended at night; day service to ring a predetermined telephone if the attendant must leave the turret unattended during the day.

This equipment is manufactured by

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