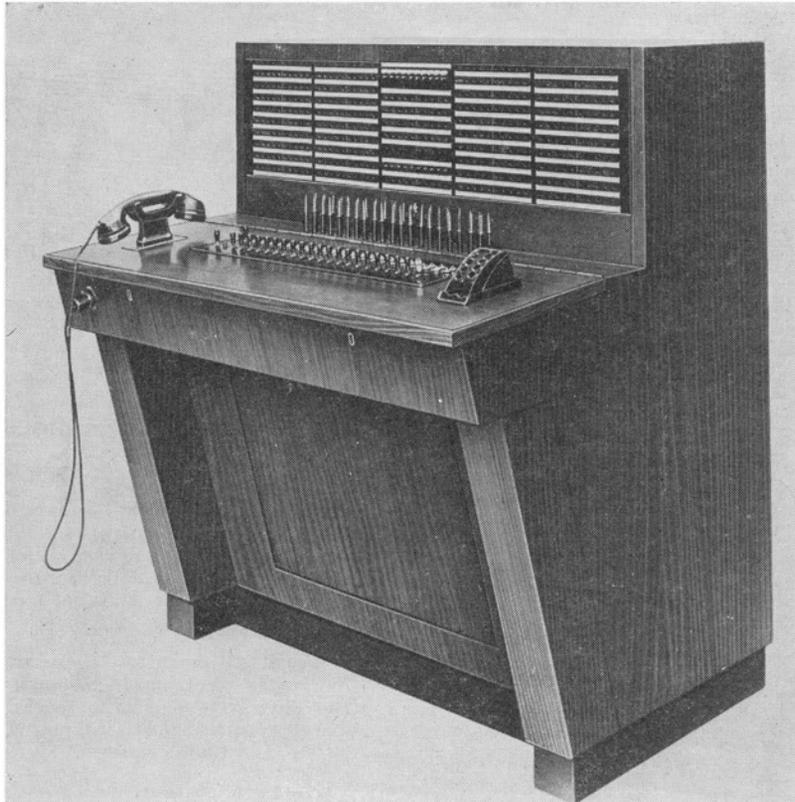
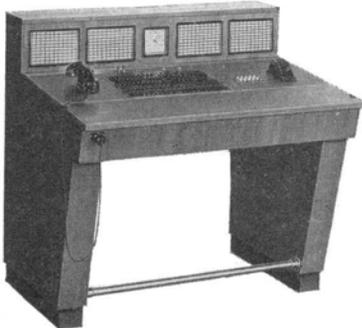


**Switchboards, Dial, P. B. X.**  
**Branch Exchange—Private Automatic**  
**U. S. Instrument**  
**Designed for Large Communication System**



**Attendant's Cabinet, with Cords for Type 40 Dial P. B. X.**

**Attendant's Cabinet, Cordless**  
**For Type 40 Dial P. B. X.**



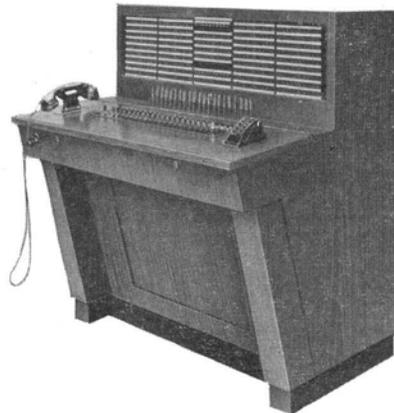
The PBX Type 40A is engineered for an ultimate capacity of more than 100 stations; however can be installed to serve 50 stations, 5 central office trunks and with 5 internal connecting links. Power and operating supply is 48 volts. A storage battery arranged for float-type charging may be provided, or a battery eliminator may be used. Two plug-in type machines supply ringing current and tones required.

Walnut finish switchboard desk is 3 ft. 3-in. high, 3 ft. 7-in. wide and 2 ft. 9-in. deep. Includes turret for mounting of lamps and clock. Cordless switchboard, calls established by key operation. Each position accommodates 20 central office lines and 12 incoming lines from switching equipment.

All internal calls, outgoing central office calls and outgoing PBX calls dialed directly by extension users where direct access is provided. Incoming central office calls completed by attendant and extended to desired stations by a keysender.

All incoming PBX calls are automatically completed through the switching equipment. Outgoing central office calls from indirect access extensions completed by attendant.

**Attendant's Cabinet, With Cords**  
**Type 40B Dial P. B. X.**



Similar to Type 40A however all incoming central office calls are completed by the attendant and extended to the desired stations by means of a cord circuit instead of by keysender.

The attractive walnut finish switchboard cabinet is 3 ft. 7-in. wide, 2 ft. 10-in. deep and 3 ft. 10-in. high, including the turret in which the extension and central office line jacks, lamps and keys are mounted. Keysheff equipment consists of maximum of 20 double ended cord circuits with supervisory lamps and talk and monitor keys.

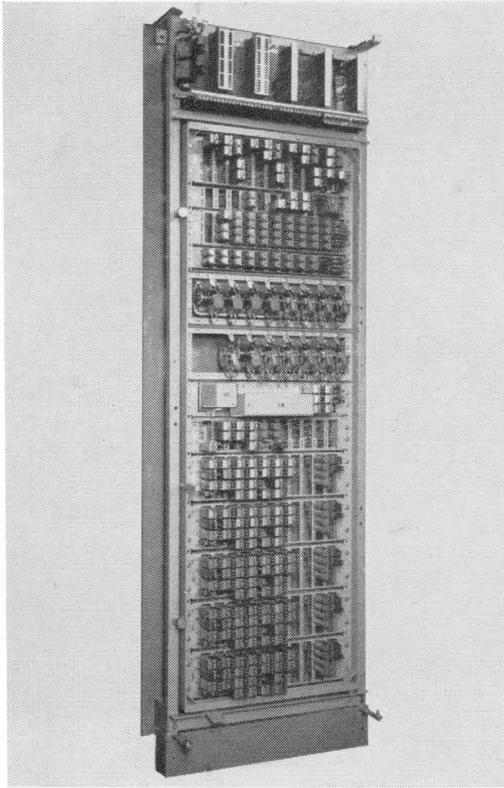
For full details contact GRAYBAR.

**Switchboards, Dial, P. B. X.**

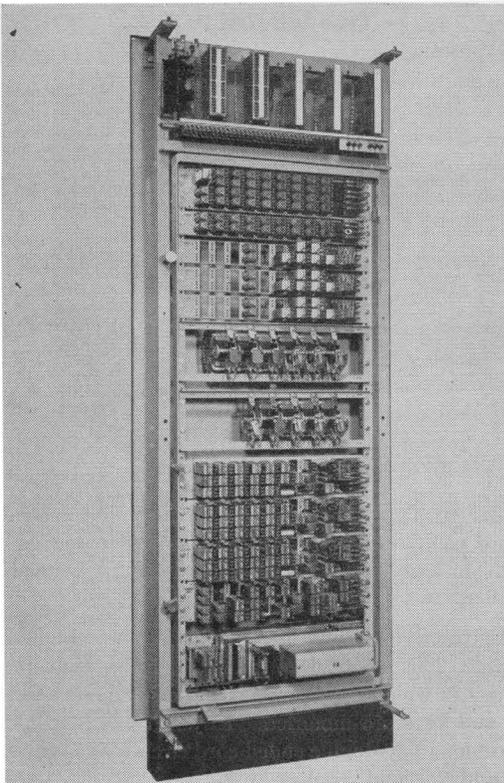
**Branch Exchanges—Private Automatic**

**Dial Telephone System Equipment**

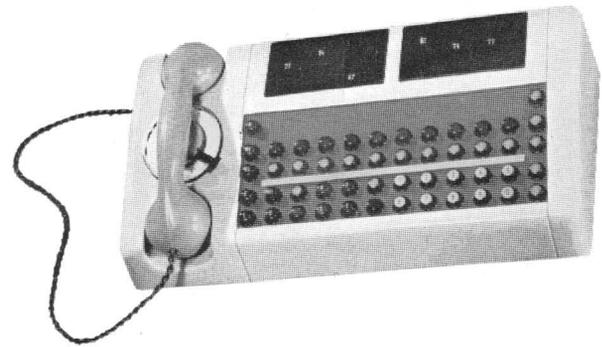
**U. S. Instrument**



**Type 30A PBX Model No. 5-25-4**



**Type 30A PBX Model No. 3-25-3**



**Attendant's Set**

**Type 30**

The attendant's key telephone set is attractively designed and contains all the necessary dialing and control equipment for fast, efficient service. Equipment for answering and transferring calls and making night connections is provided. The attendants telephone set has lamp field which indicates the numbers of busy extensions.

Special equipment rooms are unnecessary as both wall and floor racks are housed in compact dustproof steel cabinets. The plug-in type ringing machine, located in the cabinet, operates from the 24 volt power, and furnishes the ringing current and tones required.

Extension stations use standard telephone instruments connected to the switching equipment by a two wire line. Local ground is required at all stations which have outside access.

Range from the P.B.X. to the central office may equal that of any subscriber line. From the P.B.X. to stations, the range is 400 Ohms maximum external circuit loop.

Type 30 Private Branch Exchange is ideal for industrial plants, institutions, department stores, offices, ships and other installation. **Standard equipment includes the following:** 1. Direct dialing. 2. Restricted service. 3. Automatic release. 4. Emergency right-of-way. 5. Transfer of calls. 6. Night connections. 7. Storage of call. 8. Operation without attendant.

Optional equipment available, such as, monitoring, tie lines, code call and conference service, rotary hunting, area paging and sightless operation.

Model	Initial Capacity			Ultimate Capacity			Auxiliary Lines
	Trunk	Station	Link	Trunk	Station	Link	
<b>30A 2-10-2</b>	2	10	2	2	10	2	1
<b>30A 3-25-3</b>	2	15	2	3	25	3	1
<b>30A 5-25-4</b>	2	15	2	5	25	4	1
<b>30B</b>	2	20	2	15	60	6	2
<b>30C</b>	2	20	2	15	100	12	2

**Dimensions**

Model	Height, In.	Width, In.	Depth, In.	Net Wt. Lbs.
<b>30A 2-10-2</b>	40	21	9½	17
<b>30A 3-25-3</b>	72	27½	10½	32
<b>30A 5-25-4</b>	82½	27½	10½	36
<b>30B</b>	83	48	22	91
<b>30C</b>	80	96	22	121

**Note:** Equipment mounting type; 2-10-2 is wall type; 3-25-3 and 5-25-4 is floor type, wall supported; Models 30B and 30C floor type, free standing, cabinet optional.

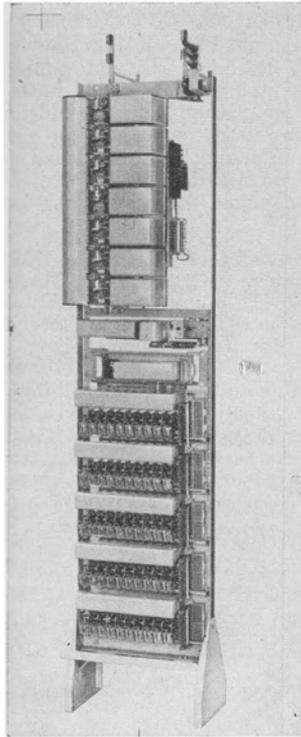
For full details, contact GRAYBAR.

## Switchboards, Dial, P. B. X.

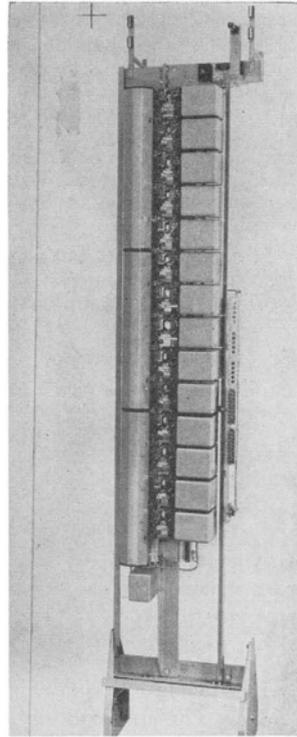
Private Automatic Exchanges

Dial Telephone Switching Equipment

U. S. Instrument



Line Rack



Selector Rack

### Type 50 B Dial PX

Completely new, completely automatic dial telephone switching system designed to provide private, self-operative internal telephone service for industrial plants, offices, department stores, ships, institutions and other installations.

The 50B PX requires no operator. Compactly constructed in single units for 50 extension lines and a maximum of seven connecting links. An unlimited number of units may be furnished.

Exchanges with 100 lines or less, two digit numbers are used and connecting links consist of connectors. Larger exchanges, three digit numbers are used and selectors and connectors are required.

The Line Racks have sufficient space for 50 pre-selectors and seven connectors with relay sets. One ringing and signaling machine provided for each two line racks. Line racks are 7-ft. 10½-in. high, 20¼-in. wide, and 19-in. deep.

The Selector Racks accommodate 15 selectors with relay sets. Selector racks are 7 ft., 10½-in. high, 18½-in. wide and 19-in. deep. All racks wired for the full complement of equipment.

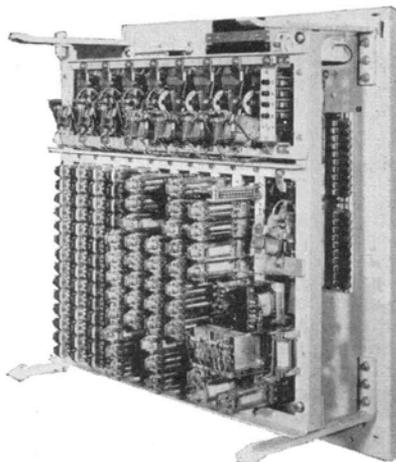
Plug-in type ringing machines. The 24-volt storage battery is arranged for automatic float charging. Maximum conductor loop is 500 ohms or about 2.9 miles of 22 gauge cable.

Emergency right-of-way may be installed to permit an executive to interrupt a call in progress. Minimum maintenance.

For full information contact GRAYBAR.

### Type 50A

Telephone System For Industrial Plants, Institutions,  
Offices, Department Stores, Ships And  
Other Installation



Switching Equipment Type 50A

Completely automatic dial telephone switching system designed to provide private, self-operative internal telephone service. The new 50A PX requires no operator. It contains its own switching equipment and a vibrator-type ringing mechanism that is enclosed in an attractive wall cabinet. The compact wall mounted cabinet is 25-in. high, 23½-in. wide, 12-in. deep and weighs 128 pounds.

The dial telephone switching system enables extension users to dial their own calls. Unit operates on a 24 volts d-c power supply outside the cabinet. Commercial power with or without a standby battery may be used.

Connection to central office lines or to other PX's can be made available with supplementary equipment. Up to 28 stations and four interconnecting links are available, although equipment may be furnished with an initial installation of fifteen stations and three connecting links.