

CIRCUIT DESCRIPTION

**AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.
PRINTED IN U.S.A.**

CD-66018-01

Issue 2-A App. 3-A
November 20, 1933
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**P.B.X. SYSTEMS
NO. 605-A OR 701-A
NIGHT ALARM CIRCUIT
FOR USE IN MULTIPLE SWITCHBOARD**

CHANGES

- D.1 Rated Mfr. Disc. replaced by SD-66467-01.
- D.2 Fig. 5 was added to provide for modifications of existing switchboards to omit the fuse in series with relay (T).

All other headings no change.

**AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.**

DEPT. 332-A

LJB) RI
WHM)

CIRCUIT DESCRIPTION
AMERICAN TELEPHONE & TELEGRAPH CO.
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.
PRINTED IN U.S.A.

CD-6601B-01
Issue 2-A App. 2-D
August 2, 1929
(2 Pages) Page 1

P.B.X. SYSTEMS
NO. 605-A OR 701-A
NIGHT ALARM CIRCUIT
FOR USE IN MULTIPLE SWITCHBOARD

CHANGES

A. CHANGED AND ADDED FUNCTIONS

A.1 No change.

B. CHANGES IN APPARATUS

B.1	<u>Removed</u>	<u>Replaced By</u>	<u>Added</u>
	43-AD Sub's. Set	534-DD Sub's Set	None

C. CHANGES IN CIRCUIT REQUIREMENTS OTHER THAN THOSE APPLYING TO ADDED OR REMOVED APPARATUS

C.1 No change.

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 The 43-D subscriber's set has been rated "Mfr. Disc." and replaced by the 534-DD subscriber's set.

D.2 Note 106 added.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

1.1 No change.

2. WORKING LIMITS

2.1 No change.

OPERATION

FUNCTIONS

No change.

4. CONNECTING CIRCUITS

4.1 No change.

DETAILED DESCRIPTION

5. No change.

**AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.**

DEPT. 332-C

**MAR) BK
WEM)**

CIRCUIT DESCRIPTION
AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH,
BELL TELEPHONE LABORATORIES, INC.
PRINTED IN U.S.A.

CD-66018-01
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App. 1-D
October 25, 1928
(2 Pages) Page 1

P.B.I. SYSTEMS
NO. 605-A OR 701-A
NIGHT ALARM CIRCUIT
FOR USE IN MULTIPLE SWITCHBOARD

CHANGES

A. CHANGED AND ADDED FUNCTIONS

A.1 No change

B. CHANGES IN APPARATUS

B.1 No change.

**C. CHANGES IN CIRCUIT REQUIREMENTS OTHER THAN THOSE APPLY-
ING TO ADDED OR REMOVED APPARATUS**

C.1 No change.

D. DESCRIPTION OF CIRCUIT CHANGES

**D.1 Rating changed from Provisional to Provisional
Standard.**

DEVELOPMENT

1. PURPOSE OF CIRCUIT

1.1 No change.

2. WORKING LIMITS

2.1 No change.

OPERATION

3. FUNCTIONS

3.1 No change.

4. CONNECTING CIRCUITS

4.1 No change.

AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH,
BELL TELEPHONE LABORATORIES, INC.

DEPT. 532-0

GEM
WEM) GG

CIRCUIT DESCRIPTION
AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.
PRINTED IN U.S.A.

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Issue 2-A
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P.B.X. SYSTEMS
NO. 605-A OR 701-A
NIGHT ALARM CIRCUIT
FOR USE IN MULTIPLE SWITCHBOARD

CHANGES

A. CHANGED AND ADDED FUNCTIONS

A.1 None.

B. CHANGES IN APPARATUS

B.1 Added

498-P Key

**C. CHANGES IN CIRCUIT REQUIREMENTS OTHER THAN THOSE APPLY-
ING TO ADDED OR REMOVED APPARATUS**

C.1 None.

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 The cross connections were added.

**D.2 Figure 4 was added to replace Figure 1 which was
rated "Mfr. Disc.".**

D.3 Note 105 was added.

D.4 The working limits were added.

DEVELOPMENT

1. PURPOSE OF CIRCUIT

**1.1 This circuit is used to provide an audible signal to
the attendant when a call is originated during period
of light load.**

2. WORKING LIMITS

**2.1 Maximum external circuit loop when line relay is not
used 125 ohms. The insulation resistance of the**

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combination of lines without line relay connected to one (A) relay shall not be less than 7310 ohms.

OPERATION

3. FUNCTIONS

3.1 To provide an audible signal to the attendant when a call is originated while the (NA) key is not operated.

4. CONNECTING CIRCUITS

- 4.1 Station line circuits.
- 4.2 Central Office Trunk Circuit.
- 4.3 Tie Line Circuit.
- 4.4 Ringing Circuit.

DETAILED DESCRIPTION

5. When the (NA) key is not operated ringing current is connected to the make contact of the (A) and (T) relay. When a line lamp on a station line lights the (A) relay operates. When the line lamp on a central office trunk or tie line lights the (T) relay operates. The operation of the (A) or (T) relay causes the (NA) buzzer for the subset to operate. When the line lamp is extinguished the (T) or (A) is released and the bell or buzzer is silent.

AMERICAN TELEPHONE & TELEGRAPH CO.,
DEPT. OF DEVELOPMENT & RESEARCH.
BELL TELEPHONE LABORATORIES, INC.

DEPT. 332-A

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