TRUNK AVAILABILITY CONTROL CIRCUIT
(Trunk Make Busy Ckt.)

1. GENERAL

1.01 This section is issued to provide information covering the Trunk Availability Control Circuit for use at P.B.X. Switchboards.

1.02 This arrangement is to be used at P.B.X. switchboards when a portion of the manual Central Office Trunk group is placed on night connections and it is desired to prevent the balance of the trunk group from receiving calls.

1.03 The control equipment for this arrangement, with the exception of a buzzer and key box at the P.B.X., is located in the serving central office. Central office equipment per SD-96107-01, Central Office Transfer and Make Busy Circuit, must be available in the Central Office for this arrangement.

2. DESCRIPTION

2.01 The Trunk Availability Control Circuit is activated by operation of a key to:

(a) Make a trunk or group of trunks to a P.B.X. test busy at the Central Office.

(b) Give an audible and visual alarm when the busy key is operated and the battery cutoff key is in the "ON" position.

2.02 The equipment required at the P.B.X. consists of a key, lamp and buzzer mounted in a metal box similar to the box housing a 6017 type key.

2.03 The buzzer and key box is supplied assembled but not wired. Connections for the buzzer and key box at the P.B.X. are shown in figures 1 and 2.

Figure 1

Trunk Availability Control Circuit

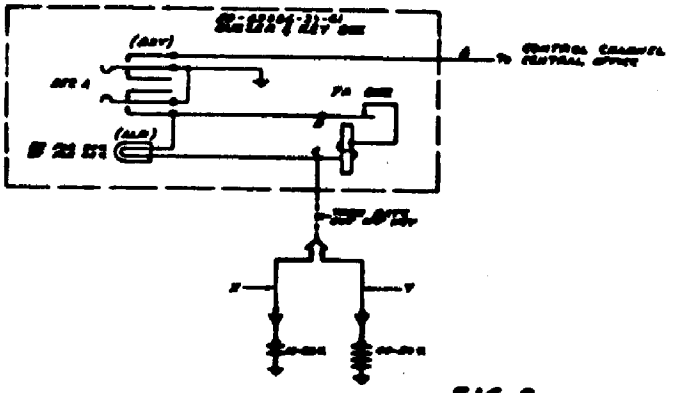
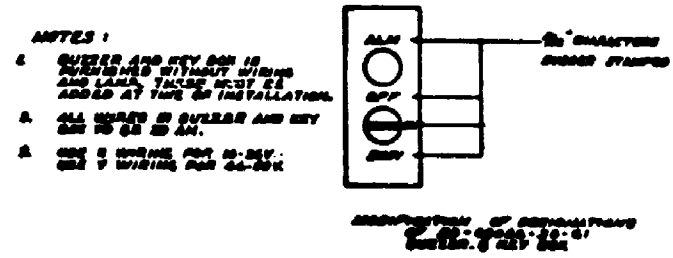


FIG. 2



3. INSTALLATION

3.01 Mount the buzzer and key box in a suitable location, preferably on the end panel of the P.B.X.

3.02 Use 20 AM type switchboard wire for connecting the key box to the switchboard terminal strips of a non-multiple manual P.B.X.

3.03 Installation of the Trunk Availability and Control Circuit at multiple manual and dial type P.B.X. may be covered either by service order or included in a Chief Engineer's estimate or routine order.

3.04 Use 20 AM type switchboard wire for connecting the key box to the switchboard distributing frame on a multiple manual P.B.X. when the distributing frame is located at the P.B.X.

3.05 When the distributing frame is not located at the P.B.X., as in the case of a 701A dial P.B.X. use 20 AM wire for connecting the buzzer and key box and terminate on a 42 type connecting block in a convenient location. Locate a spare pair in the switchboard cable to extend the necessary leads to the C.D.F.

3.06 The battery supply for the buzzer and lamp may be obtained from a convenient source of cutoff battery at the switchboard or as in the case of a 701A P.B.X. may be obtained from the B.C.D. fuse panel in the equipment room.

4. SERVICE ORDER TERMINOLOGY AND SUPPLIES

4.01 Service orders will be prepared by the Commercial Department as follows:

(a) For the initial installation of the Trunk Availability and Control Circuit. Includes the key box and buzzer and 6 trunks or less.

1-TK-CON-ARRGT.

(b) For each additional trunk over 6.

1-TK-CON-ARRGT.-Add 1.

(c) For each signal channel for control of the Central Office equipment.

1-C-CHL (No. of 1/4 Miles)

(Note only 1 buzzer and key box and signal channel is required per installation.)

4.02 The buzzer and key box may be ordered as follows:

(Quantity) Buzzer and Key Box, ED-69086-30, Group 1