CD-69068-01 CIRCUIT DESCRIPTION ISSUE 11D DWG ISSUE 11D

STATION SYSTEMS NO. 6A KEY EQUIPMENT KEY SELECTING OBSERVING FOR USE WITH OR WITHOUT LOUDSPEAKER

SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF CIRCUIT

1.01 This circuit provides service observing on a central office subscriber line, PBX station line, PBX trunk, or PBX attendant.

SECTION II - DETAILED DESCRIPTION

1. SERVICE OBSERVING

1.01 When the OBS key is operated in either direction, the observing circuit is connected to a central office subscriber line, PBX station line, PBX trunk, or PBX attendant telephone circuit. This permits service observing either with the head receiver or the loudspeaker set. The operation of the loudspeaker key disconnects the head receiver and connects the loudspeaker set to the observing circuit.

2. CLICK REDUCTION

2.01 The varistor is provided to reduce the intensity of clicks in the receive. With normal voltages, the resistance of the varistor is very high, but on an increase of voltage the resistance is reduced to a very low value which reduces the intensity of the clicks heard in the receiver.

ADJUSTMENTS

- 3.01 When using a 106A loudspeaker set, adjust inside potentiometer at bottom of unit to eliminate excessive volume at maximum setting of volume control on front of unit.
- 3.02 When using a 106B loudspeaker set, adjust inside potentiometer on side of unit, which controls the automatic volume control, to give equal output level to all voices; then adjust inside potentiometer at bottom of unit to eliminate excessive volume at maximum settting of volume control on front of unit.
- 3.03 If 106-type loudspeaker set is powered by 24 volts dc, replace the 2Y pilot light lamp with a 2U lamp. If 106-type loudspeaker set is powered by J87202 power supply, replace the 2Y pilot light lamp with a 2T lamp.

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DEPT 5335-FD-PBF

SECTION III - REFERENCE DATA

1. WORKING LIMITS

None.

2. FUNCTIONAL DESIGNATIONS

None.

3. FUNCTIONS

3.01 Service observing on a central office subscriber line, PBX station line, PBX trunk, or PBX attendant.

4. CONNECTING CIRCUITS

- 4.01 When this circuit is listed on a keysheet, the connecting information there-on is to be followed. The following are typical connecting circuits:
 - (a) Standard PBX trunk circuits.
 - (b) Standard PBX station line circuits.
 - (c) Standard PBX attendant telephone circuits.
 - (d) Standard central office subscriber line circuits.

SECTION IV - REASONS FOR REISSUE

B. Changes in Apparatus

B.1 SUPERSEDED

EQPT UNIT ED-91929-01, G30 - Fig. 10 EQPT UNIT ED-91929-01, G26 - Fig. 10

0.5-uf Capacitor (C1) - Fig. 22 100D Varistor

SUPERSEDED BY

(RV1) - Fig. 22

D. Description of Changes

D.1 Fig. 10 is rated Mfr Disc. and is replaced by Fig. 22, which is added.

CIRCUIT NOTES: 101. DESIG AMP POTENTIAL FUSED	ONE PER	CIRCUIT NOTES: (CONT) 105. ALL NORMALLY CLOSED CONTACTS OPERATED BY A LEVER SHALL BREAK BEFORE ANY OF THE NORMALLY OPEN CONTACTS MAKE.	DWG CD DWG CD DWG CD SS ISS IS
102.	PROVIDE	106. THE REPEATING COIL SHALL BE MOUNTED IN THE SWITCHBOARD SECTION WITH THE ATTEND∴NT TEL CIRCUIT. 107. PRIOR TO ISSUE ¼D, THE D-96231 SUBSCRIBER SET WAS NOT EQUIPPED WITH A VARISTOR. 108. FIG. 3 IS RATED MFR DISC AND SUPERSEDED BY FIG. 6 ON ISSUE 5D. 109. PRIOR TO ISSUE 6D, LEAD DESIGNATED T TO INDUCTION COIL OF PBX ATTENDANT TELEPHONE SET WAS DESIGNATED.	8D 8D 11-16-61 PIR FL 9D 9D 6-7-62 DMC LM DL 10D 10D 9-24-63 DMC LM AR.
FEATURE OR OPTION	FIG. OR QUANTITY	110. FIG. 10 (MFR DISC.) OR FIG. 22 ARE MOUNTED IN A 105 APPARATUS BOX. 111. POWER CONNECTIONS FOR FIG. 19 AND 20 SHALL	IID IID 2-23-65 DHC AR
J87202 POWER SUPPLY CONNECTION & STRAPPING OF 106-TYPE LOUDSPEAKER	1 PER STA AS REQD	111. POWER CONNECTIONS FOR FIG. 19 AND 20 SHALL BE FUSED FOR 1/2 AMP IN THE NEGATIVE LEAD.	
SWITCHING KEY REP COIL	12 1 PER 2 LINES 13 1 PER LINE		
CORD-ENDED HEADSET LS CONNECTION TO 100-TYPE SET (MD) CONNECTION TO 106A LS SET CONNECTION TO 106B LS SET CONNECTION TO 107-TYPE LS OPERATOR JACK PLUG-ENDED DOUBLE HEADSET PLUG-ENDED SINGLE HEADSET 244 DC POWER CONNECTIONS AND ST	15		
PING OF 106-TYPE LOUDSPEAKER 48V DC POWER CONNECTIONS AND ST PING OF 106-TYPE LOUDSPEAKER CONNECTIONS FOR 107-TYPE LOUDSPEAKER CONNECTING CKT FOR MONITORING	RAP- 20	INFORMATION NOTES: 301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS.	
103. NETWORK VA NETWORK RESIS' NO. CODE IN O	TANCE CAPACITANCE		
		FIGURES AND	
RECORD OF FIGURES, WIRING, AI CHANGED ON THIS SEE ON ISS RECORDS OPTION WAS SPECIFY FURN Y OR Z X 8D 110	USE IN CIRCUIT STD A&M MD Y,Z X 12 1 1 13 2 10 3 114 4 15 5 5 10 6 6 16 7 17 8 8 18 9	PIGURES AND OPTIONS ON THIS DWG CKT WARRING 10 21 Z 11 22 Y 12 X 13 W 14 15 16 17 16 17 18 19 20	
110 110	22 10	SD-69068-01	
		STATION SYSTEMS NO. GA KEY EQUIPMENT	AT&T CO Standard
			D-69068-OII 3 SHEETS
			NTED IN U.S.A.



