

259A KEY TELEPHONE UNIT

1. GENERAL

1.01 The 259A key telephone unit is a panel-type 7-inch high adapter unit designed for use in key telephone system installations to receive two plug-in 400-series KTU. It is 3-29/32 inches wide and will mount in equipment cabinets or on apparatus mountings, or relay racks, etc., arranged to accommodate other 200-series KTU.

2. IDENTIFICATION

2.01 The 259A KTU will handle one or two plug-in 400-type KTU of the 1A2 key telephone system or other physically comparable single-sided 18-contact plug-in printed circuit cards.

2.02 The apparatus face of the KTU consists of a punched metal panel equipped with two 906C connectors. These are factory-wired to 40 screw-type terminals located on a terminal plate assembled on the rear of the KTU.

2.03 The 40-point screw terminal field is divided into two areas of 20 terminals each, marked A and B. The first 18 screw terminals in each area are wired to corresponding contacts of respective A or B connectors. Four unwired terminals on the KTU may be used for miscellaneous purposes as needed. Fig. 1 shows front and rear views of the 259A KTU.

2.04 The connector plate portion of the unit has two metal guides which

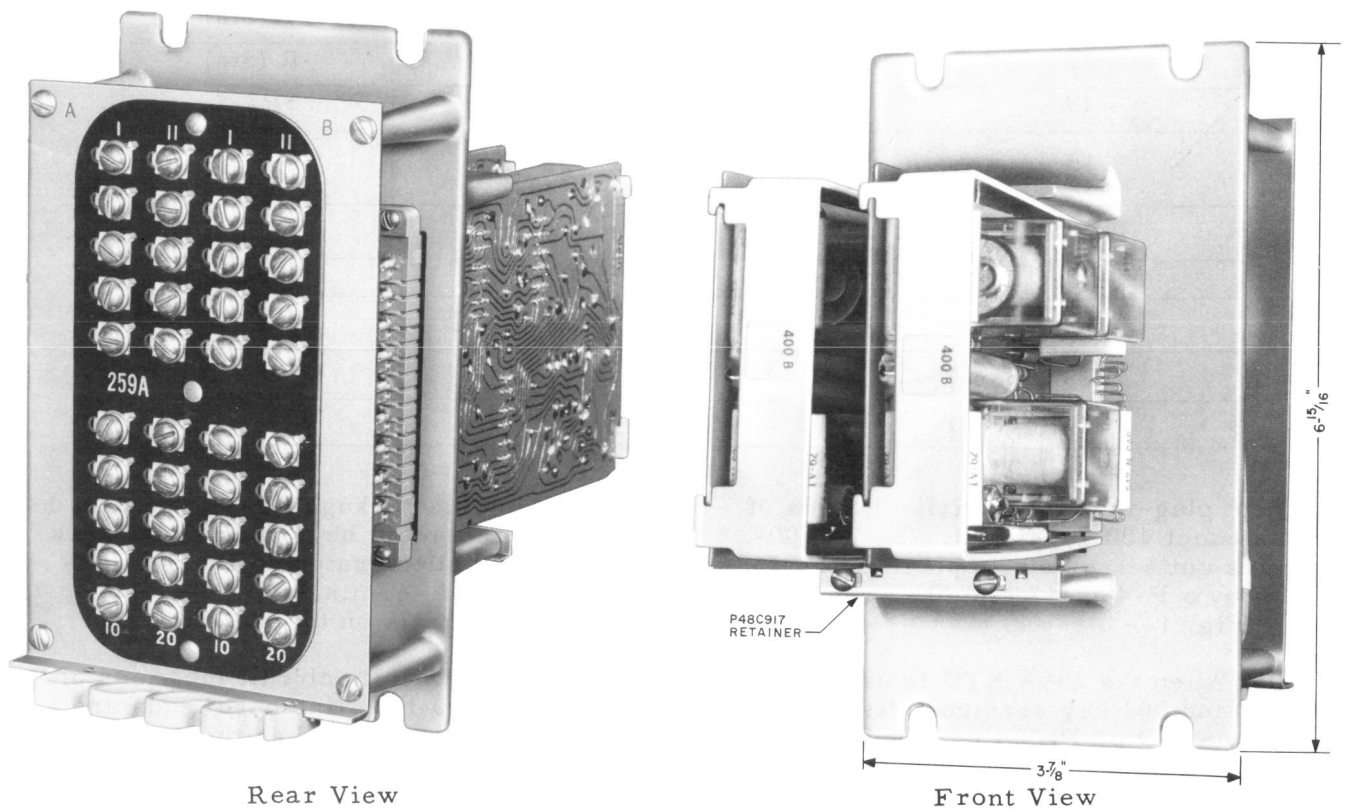


Fig. 1 - 259A Key Telephone Unit Equipped with 400-Type KTU

TABLE A
CIRCUIT FUNCTIONS OF 400-TYPE KTU
AND 401A KTU LINE CARD LEADS

259A KTU A or B Screw Terminal 906C Connector Contact No.	Jack Pin No.	KTU	
		400-Type (CO or PBX)	401A (Man-Intercom)
1	1	RC	SP3
2	2	LW	
3	3		A Grd
4	4	10 V±	10 V±
5	5	ST	
6	6	LG	
7	7	LF	
8	8	L	L
9	9	R (CO)	SP2
10	10	105 V±	
11	11	RN	
12	12	T (Sta)	T (Sta)
13	13	R (Sta)	R (Sta)
14	14	T (CO)	SP1
15	15	B Grd A1 (Sta)	B Grd A1 (Sta)
16	16	A (Sta)	A (Sta)
17	17	B Bat.	B Bat.
18	18		A Bat.
19 (Spare)			
20 (Spare)			

accept plug-in printed wiring boards of 18-contact 400-type KTU. These 400-series units are held in place in the 259A KTU by a P-48C917 slide bar retainer. (See Fig. 1.)

2.05 When the 259A KTU is used in 501 and 502 key service units and the 400-type CO or PBX line circuit units are plugged into it, circuit start leads and common audible and visual signal leads

(involving the package KS-19175, List 1 interrupter) must be connected between specifically designated quick-clip connecting block terminals and the appropriate screw terminals on the 259A KTU.

2.06 Table A lists circuit functions of the 400-type line card leads and correlates them to either the A or B connectors (in screw terminal field areas) of the 259A KTU.