

EXTERNAL RINGERS AND BUZZERS
AT
MULTIBUTTON KEY TELEPHONE STATIONS
CONNECTIONS

1. GENERAL

1.01 This section covers the connections required for the use of external ringers and buzzers at 1A1 Key Telephone Stations employing 440, 460, 540, or 560-series telephone sets. This includes connections from connecting block to ringer (for line ringer) and key cable connections to ringer or buzzer (for common audible signal or dial selective intercommunicating station signal), and key cable connections to buzzer for push-button and buzzer circuits.

2. KEY CABLE

2.01 Pair 21 in the key cable is designated for use as the common audible signal pair, dial selective intercommunicating station signal pair, or buzzer system signal pair **when** the common signal, station signal, or buzzer signal is to be provided **external to the set**.

CONNECTIONS FOR EXTERNAL RINGER OR BUZZER USED FOR COMMON AUDIBLE SIGNAL OR DIAL SELECTIVE INTERCOMMUNICATING STATION SIGNAL OR FOR BUZZER USED WITH PUSH-BUTTON AND BUZZER CIRCUITS

TABLE 19.01

Connect Key Cable Pair to Subscriber Set or Buzzer, and Make Ringer Connections in Subscriber Set as Shown Below:

TYPE OF SUB. SET OR BUZZER	LEAD DESIG.	KEY CABLE			SUB. SET TERM.	RINGER LEADS COLOR	BUZZER TERM.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING			
			CONDUCTOR COLOR				
531A SUB. SET OR EQUIV.	R1 B1	21 21	BL R	BL V	K L1	BK R	
7-TYPE BUZZER	R1 B1	21 21	BL R	BL V			A or D* C

Note: ★ If buzzer power source is ac, terminal is "A".
 If buzzer power source is dc, terminal is "D".

Reference: SD-69203-0104, Figs. 8 and 9

TABLE 19.02

**CONNECTIONS FOR EXTERNAL RINGER USED AS STATION
LINE RINGER ON TIP AND RING OF ANY LINE EXCEPT
PRIVATE LINES***

Make Connections in Subscriber Set and Between Connecting Block and Subscriber Set as Shown Below:

TYPE OF TEL. SET AT STA.	RINGER ON SYS. LINE NO.	CONNECTIONS FROM CONN. BLOCK TO SUB. SET			CONNECTIONS IN SUB. SET (531A or EQUIV.)	
		NO. 44A CONN. BLOCK	LOCAL WIRING	SUB. SET TERM.	SUB. SET TERM.	RINGER AND COND. LEADS
		TERM. NO.	LEAD DESIG.			COLOR
440, 460, 540, OR 560- SERIES TEL. SETS EXCEPT 565A TEL. SET	1	1st BLOCK		L1 L2	L1 K K L2	RED BK SL Y
		1	R			
	2	T	L2			
	2	6	R	L1		
		7	T	L2		
3	3	R	L1			
	8	T	L2			
4	2nd BLOCK		L1 L2			
	4	R		L1		
5	5	T	L2			
565A TEL. SET	1	1st BLOCK		L1 L2		
		1	R		L1	
	2	T	L2			
	2	4	R	L1		
		5	T	L2		
	3	6	R	L1		
7		T	L2			
4	9	R	L1			
	10	T	L2			
5	3	R	L1			
	8	T	L2			
6	2nd BLOCK		L1 L2			
	1	R		L1		
2	T	L2				

Note: ★ The term "Private Lines," as used here, is defined as intercommunicating lines, dial selective intercommunicating lines, tie lines, and station lines.

Reference: SD-69203-0104, Figs. 8 and 9