

1A1 KEY TELEPHONE SYSTEM
LAMP RESISTOR UNITS LOCATED AT STATION

1.00 GENERAL

This section covers connections for lamp resistor units located at the station. It includes wiring for 18-type resistors per ED91929-01, G5.

2.00 BATTERY SUPPLY REQUIREMENT

As shown in Table 41.01, lamp resistors are required only when dc supply is used for lamps in key telephone sets or when 47.5- to 50-volt dc supply is used for the lamps.

3.00 LOCATION

Resistor units ED91929-01, G5 should be equipped with the specified 18-type resistors and mounted in the 105-type apparatus boxes in close proximity to the station connecting blocks.

4.00 REFERENCES

Reference information for this section is given in Section C71.355, 1A1 Key Telephone System, Connection Data, Description and Use.

Battery Supplies and Resistor Units

TABLE 41.01

Type of Lamp	Battery Supply			Resistor	
	Type	No. of Cells	Volts	Type	Ohms
51A	Local	8	14 to 20	18FD	210
	Building	9	16 to 22	18AD	240
		10	18 to 24	18DF	290
		11	20 to 26	18AS	350
		12 or 13	22 to 28	18AS	350
	CO	12 or 13	22 to 28	18AS	350
		23	47.5 to 50	18FB	900
K2	CO	23	47.5 to 50	18AS	350

TABLE 41.02

Wiring 18-type Resistors and
Terminating Lamp Leads at Station

Lead Desig	Key Cable from Apparatus Cabinet or Running Cable			Equipment Unit ED91929-01, G5			Key Cable to Connecting Block or Indicator*		
	Pair No.	C Type	D Type	18-type Resistor Wiring†			Pair No.	C Type	D Type
		Color		Unit	Terminal			Color	
					In	Out			
1L LG	16	G-BR	BL	1	3—2		16	G-BR	BL
		W	Y		1—1			W	Y
2L LG	17	G-S	O		5—4		17	G-S	O
		W	Y		1—1			W	Y
3L LG	18	BR-W	G		7—6		18	BR-W	G
		W	Y		1—1			W	Y
4L LG	19	BR-S	BR	9—8		19	BR-S	BR	
		W	Y	1—1			W	Y	
5L LG	20	S-W	S	2	3—2		20	S-W	S
		W	Y		1—1			W	Y
6L LG	24	BR	BR		5—4		24	BR	BR
		R	V		1—1			R	V

* If desired, paired wire may be used to extend lamp leads from equipment unit to connecting block or indicator.

† For specific types of resistors, refer to Table 41.01 of this section.