

LAMP RESISTOR UNITS LOCATED AT STATION CONNECTIONS

1. GENERAL

1.01 This section covers the connections for lamp resistors located at the station. This includes connections for wiring 18-type resistances in ED-91929-01,G5 equipment units and termination of key cable pairs on the equipment units.

2. BATTERY SUPPLY REQUIREMENT

2.01 As covered in Table 21.01, lamp resistors are required only when dc supply is used for lamps in key telephone sets or when 47.5-50V dc supply is used for lamps in indicators or lamps in 101A or 101B key boxes.

3. LOCATION

3.01 ED-91929-01,G5 equipment units should be equipped with the specified 18-type resistors and mounted in 105-type apparatus boxes in close proximity to the station connecting blocks.

RESISTANCE AND BATTERY SUPPLY TABLE

TABLE 21.01

Provide Resistor as Specified Below:

TYPE OF LAMP	BATTERY SUPPLY	TYPE OF RESISTOR TO PROVIDE IN EQUIP. UNITS SHOWN IN TABLES 21.01 AND 21.02	
51A LAMP	LOCAL BATTERY 8 CELLS 14 — 20V	18 FD (210 Ω)	
	BUILDING BATTERY	9 CELLS 16 — 22V	18 AD (240 Ω)
		10 CELLS 18 — 24V	18 DF (290 Ω)
		11 CELLS 20 — 26V	18 AS (350 Ω)
		12 or 13 CELLS 22 — 28V	18 AS (350 Ω)
	CO BATTERY	12 or 13 CELLS 22 — 28V	18 AS (350 Ω)
		23 CELLS 47.5 — 50V REGULATED	18 FB (900 Ω)
K2 LAMP	CO BATTERY 23 CELLS 47.5 — 50V REGULATED	18 AS (350 Ω)	

TABLE 21.02

LAMP RESISTORS LOCATED AT STATION FOR ALL 1A1 STATIONS—CONNECTIONS FOR WIRING 18-TYPE RESISTORS IN EQUIPMENT UNITS AND TERMINATING LAMP LEAD KEY CABLE PAIRS ON EQUIPMENT UNITS

LEAD DESIG.	KEY CABLE FROM EQUIP. CAB. OR RUNNING CABLE			ED-91929-01, G5 EQUIP. UNIT			KEY CABLE TO 44A CONN. BLOCK OR INDICATOR*		
	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	RESISTOR WIRING AND INCOMING AND OUTGOING CONNECTIONS			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
		CONDUCTOR COLOR		INCOMING TERM.	RES. TYPE	OUTGOING TERM.		CONDUCTOR COLOR	
L	16	G-BR	BL	1st UNIT			16	G-BR	BL
LG		W	Y	3 ——— 18* ——— 2				W	Y
L	17	G-S	O	1st UNIT			17	G-S	O
LG		W	Y	5 ——— 18* ——— 4				W	Y
L	18	BR-W	G	1st UNIT			18	BR-W	G
LG		W	Y	7 ——— 18* ——— 6				W	Y
L	19	BR-S	BR	1st UNIT			19	BR-S	BR
LG		W	Y	9 ——— 18* ——— 8				W	Y
L	20	S-W	S	2nd UNIT			20	S-W	S
LG		W	Y	3 ——— 18* ——— 2				W	Y
L	15 ♦	G-W	S	1st UNIT			15	G-W	S
LG		W	BK	5 ——— 18* ——— 4				W	BK
				1st UNIT					
				1 ——— 18* ——— 1					

Notes: * If desired, paired wire may be used to extend lamp leads from equipment units to 44A connecting block or indicator.

✱ For specific type of resistor, refer to Table 21.01 of this section.

♦ 565A key telephone sets only.