

TELEPRINTER CIRCUITS AT NON-PANEL MOUNTED OFFICES.  
SCHEDULE OF VALUES FOR SHUNTED CONDENSER AND LIMITING RESISTANCES.

W

V.F. Extn. limit was 16 miles	2711-90A
Amendment.	

GENERAL

THE VALUES OF SHUNTED CONDENSER (CS), SERIES RESISTANCE (SR), & LOCAL TEST LIMITING RESISTANCE (LR), AS SHOWN ON THE RELATIVE T.G. DIAGRAMS, SHOULD BE IN ACCORDANCE WITH THE FOLLOWING TABLES TO SUIT VARYING LINE CONDITIONS AND LINE POWER SUPPLIES.  
ON A RELATED CIRCUIT WHERE BATTERIES ARE USED FOR LOCAL POWER AN ADDITIONAL RESISTANCE OF 1000Ω. SHOULD BE INSERTED BETWEEN THE TONGUE OF THE RELAY AND KEY No. 23, SWITCH REPEATER LEAK 24 POINT OR TELEPRINTER SWITCH TO RESERVE KEY, WHICHEVER IS IN USE.

TABLE 1. NON-RELATED CIRCUITS FOR TELEPRINTERS FITTED WITH TWO-MAGNET ELECTRO-MAGNETS.

TYPE OF LINE	SOURCE OF 80V LINE SUPPLY	RESISTANCE		SHUNTED CONDENSER	
		LR OHMS	SR OHMS	RESISTANCE OHMS	CAPACITY μF
PHYSICAL CCT. NOT EXCEEDING 5 MILES OR V.F. EXTENSION NOT EXCEEDING 5 MILES.	BATTERY RECTIFIER	4000	1000	4000	4
	ROTARY CONVERTER	6000	1000	4000	4
		4000	1000	4000	4
PHYSICAL CCT. FROM 5 TO 30 MILES OR V.F. EXTENSION FROM 5 TO 20 MILES.	BATTERY RECTIFIER	5000	NIL	4000	4
	ROTARY CONVERTER	7000	NIL	4000	4
		5000	NIL	4000	4

TABLE 2. NON-RELATED CIRCUITS FOR TELEPRINTERS FITTED WITH SINGLE-MAGNET ELECTRO-MAGNETS.

TYPE OF LINE	SOURCE OF 80V LINE SUPPLY	RESISTANCE		SHUNTED CONDENSER	
		LR OHMS	SR OHMS	RESISTANCE OHMS	CAPACITY μF
PHYSICAL CCT. NOT EXCEEDING 5 MILES OR V.F. EXTENSION NOT EXCEEDING 5 MILES.	BATTERY RECTIFIER	7000	1000	4000	4
	ROTARY CONVERTER	7000	1000	4000	4
		7000	1000	4000	4
PHYSICAL CCT. FROM 5 TO 30 MILES OR V.F. EXTENSION FROM 5 TO 20 MILES.	BATTERY RECTIFIER	8000	NIL	4000	4
	ROTARY CONVERTER	8000	NIL	4000	4
		8000	NIL	4000	4

TABLE 3. RELATED CIRCUITS FOR TELEPRINTERS FITTED WITH TWO-MAGNET ELECTRO-MAGNETS.

TYPE OF LINE	SOURCE OF 80V LINE SUPPLY	RESISTANCE		SHUNTED CONDENSER	
		LR OHMS	SR OHMS	RESISTANCE OHMS	CAPACITY μF
PHYSICAL CCT. EXCEEDING 30 MILES OR V.F. EXTENSION EXCEEDING 20 MILES.	BATTERY RECTIFIER	5000	5000	4000	4
	ROTARY CONVERTER	4000	7000	4000	4
		7000	7000	2000	4

TABLE 4. RELATED CIRCUITS FOR TELEPRINTERS FITTED WITH SINGLE-MAGNET ELECTRO-MAGNETS.

TYPE OF LINE	SOURCE OF 80V LINE SUPPLY	RESISTANCE		SHUNTED CONDENSER	
		LR OHMS	SR OHMS	RESISTANCE OHMS	CAPACITY μF
PHYSICAL CCT. EXCEEDING 30 MILES OR V.F. EXTENSION EXCEEDING 20 MILES.	BATTERY RECTIFIER	8000	8000	4000	4
	ROTARY CONVERTER	6000	9000	4000	4
		9000	9000	2000	4