ı	Z .	UNITS, AUXIL	JARY APPARATU	IS, N998¦& N998€
	GENERAL	FOR PROVIDING RING-OF	F FACILITIES, WHEN AUT	THORISED, ON PRIVATE CIRCUITS AND NERATOR-SIGNALLING, CONNECTED TO
ŀ	Suffix		N	OTES:-
	SUPERSESSION NOTE ADDED 135-46 B 135-46 B 135-46 B 125-148 B 121-148 B 121-1	B. BEFORE INSTALLATION, MODIFY MARK I UN SEE FIG. 3:- RECOVER CONN. FROM SPRING LL22 AT S TAG QC2 TO SPRING SPRING LL2 TO S TAG I E TO TAG Q	INSTRUCTIONS OF E-IN-C (SI)  OMESSION OF EXCHANGE 2, AS POLLOWS- 3, AS POLLOWS- 3, AS POLLOWS- 4, AS POLLOWS- 4	9 THICK LINES SHOW CONNEXIONS TO BE MADE OR A () TERMINALS B & 9 DO NOT EXIST ON UNIT A. A. N99 WHEN REQUIRED THE CONNEXIONS SO NUMBERED BE MADE VIA TWO "CONNECTORS, PORCELAIN"  11. TO PROVIDE RING—OFF FACILITIES:—  (*) STRAP TERMINALS 6-7 AND (6). (7) TO ALLOW ONE RECTIFIER THE AND THE PER "UNIT A. N. 1912A "PER "UNIT A. N. 1912A "PER "UNIT A. N. 1912A "PER "UNIT A. N. 1912A "POVIDE ON PER INSTALLATION AND ONE RELAY NO, 787 BE AND CONNECT AS SHOWN N° FIG. 4 & NN DOM. (*) FAUDIBLE ALLARM OF RING—OFF IS REQUIRED, 5 OF "UNIT A. A. N. 990" TO BATTERY VIA BELL, WITHOUT SW (*)) FER-RING FACILITIES ARE NO (*)) FER-RING FACILITIES ARE NO (*)) FER-RING FACILITIES ARE REQUIRED INSTEAD LEAVE TERMINALS 6-7 AND (6). (7) DISCONNER RELAY LL LOCKING.  (*)) FAUDIBLE ALLARM OF RE-RING IS REQUIRED, C 7 OR (7) TO BATTERY VIA BELL, WITHOUT SW (*)) FOR THE ALLARM OF BELL WITHOUT SW (*)) FOR THE ALLARM OF RELAY LL LOCKING.  (*)) FAUDIBLE ALLARM OF RE-RING IS REQUIRED TO STAD (*) TO STA
ı	7			4

N998 3 PANELS -1 S-It-AO SUPERSEDED FOR NEW WORK BY N 98"

## AT 3796 NOTES:-

9. THICK LINES SHOW CONNEXIONS TO BE MADE OR ALTERED LOCALLY.

- IO TERMINALS B & 9 DO NOT EXIST ON UNIT A.A. N99B + MARK I. WHEN REQUIRED THE CONNEXIONS SO NUMBERED IN FIG. 3 SHOULD BE MADE VIA TWO "CONNECTORS PORCELAIN"
- # || TO PROVIDE RING-OFF FACILITIES:-(4) STRAP TERMINALS 6-7 AND (6). (7) TO ALLOW RELAY LL TO LOCK.
  - (b) FOR SUPERVISORY-FLASHING FACILITIES ON RING-OFF PROVIDE ONE "RECTIFIER - ELEMENT, No. 1/12A" PER " UNIT A. A N998 1" AND TWO PER "UNIT A.A. N998 &" PROVIDE ONE UNIT, A.A. N990" PER INSTALLATION AND ONE RELAY No. 7878 PER 8 C'CTS AND CONNECT AS SHOWN IN FIG. 4 & IN DGM, N990, (E.I. P.B.X.S. 8.320). (c) IF AUDIBLE ALARM OF RING-OFF IS REQUIRED, CONNECT TERMINAL
- 5 OF "UNIT A.A. N.990" TO BATTERY VIA BELL, WITHOUT SWITCH. 12. WHERE SUPERVISORY-FLASHING FACILITIES ARE NOT PROVIDED:-(a) IF "RE-RING" FACILITIES ARE REQUIRED INSTEAD OF RING - OFF LEAVE TERMINALS 6 - 7 AND 6-17 DISCONNECTED TO PREVENT RELAY LL LOCKING. CHAF AUDIBLE ALARM OF RE-RING IS REQUIRED, CONNECT TERMINAL

7 OR (7) TO BATTERY VIA BELL, WITHOUT SWITCH

- 13. UNITS A.A. N998.. CANNOT BE USED ON CIRCUITS WHICH ARE WORKED BY VOICE-CALLING i.e. BY MEANS OF "UNITS. SIGNALLING, No.5..." (WHETHER WITH OR WITHOUT " PANELS, SIGNALLING, No.7")
- IA IF RELAY I IS OPERATED BY BATTERY AND FARTH FROM DISTANT APPARATUS, INSERT À 4 U.F. CONDENSER IN THE 'B' LINE.

	TABLE	1.	APPARATUS	SCHEDULE
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ITEM	RATE BOOK DESCRIPTION				
P×	RELAY No.23" OR No.50IA (NOTE 2)				
D	4431 (INCLUDED IN U A.A. N.990)				
L	3237				
LL	4477				
R	" " 6779 (SEE TABLE 2)				
S	n n 7187				
	COIL, RETARDATION No. 3416				
BT *	BLOCK , TERMINAL No. 20/ (NOTE 5)				
F *	FUSE No. 35/I (NOTE 4)				
MRA,MRB	RECTIFIER-ELEMENT No. 4/6 A				
MRC	" " 1/12 A (NOTE H (b))				
QA,QB	CONDENSER, M.C. No. 101				
QC	н М.С. No. IO2				
QD *	, M.C. No. 103 (NOTE 14)				
T	TRANSFORMER, No. 48A OR 3/48A				

\* TO BE REQUISITIONED SEFARATELY WHEN REQUIRED

TABLE 2. ADJUSTMENT OF SPECIAL (RED LABEL) 3000-TYPE RELAY No.6779 MARK No. I

SPECIAL MECHANICAL	CURRENT VALUES		
ADJUSTMENTS	CONDITION	TEST VALUES (mA)	READJUST VALUES (mA)
RESIDUAL: 20±2 MILS TRAVEL 20±2 MILS SPRING THICKNESS: 14 MILS ADJUST SPRING 2 TO MEET CURRENT TESTS	SATURATE HOLD RELEASE NON-OP. OPERATE	20·4  2·0  6·0	20·4  2·1  5·7
OTHER ADJUSTMENTS TO E.I. TELES, AUTO, B 5144	DISCONN	S - RELAY IECT RELAY ER-ELEMENT	COIL TAGS. FROM MRA No. 4/6A)

FIG. 1. CONNEXIONS OF MARK I UNITS AS ISSUED (NOTE 8)



