TO 2 PARTY OR 5 PARTY REVERTIVE CALL RELAY SETS (GBW 13770 OR EQUIV) & 5 PARTY LINE RELAY SETS (GBW 13750 OR GBW 14410 OR EQUIVS.) MOUNTED ON 'B' UNITS OR 'M' FINAL SELECTOR CCTS. GBW 14400 (NOTE 5)

TO 2 PARTY OR 5 PARTY REVERTIVE CALL RELAY SETS GBW 13770 OR EQUIV MOUNTED ON 'B' UNITS OR 'M' FINAL SELR. CCTS. GBW 14400 (NOTE 5)

RINGING CODE A | RINGING CODE R | RINGING CODE S | RINGING CODE M | RINGING CODE D | CONT. RING | RING START | RING HOLD | M/C START | RING RET. ETH

TO 5 PARTY LINE RELAY SETS (GBW 13750 OR GBW 14410 OR EQUIVS) MOUNTED ON 'B' UNITS

RING RET. ETH.

0·9mm

SCA 1 - C9a - C10a - C11a - LKFA/1 TO LKFE/1

LKAA/1 - TO - LKAE/1 - MP/a - C2a - CS1/2 - 4 - 5 - 6 - 19 - 7 - 22 - 23 - CS2/3 - TP 19 A

LKBA/1 - TO - LKBE/1 - MR1b - CS1/8 - 25 - CS2/42 - C4a

LKCA/1 - TO - LKCE/1 - C3a - CS1/3 - 7 - 20 - 24 - CS2/37 - 41 - CS3/15 - 22 - CS4/39

LKDA/1 - TO - LKDE/1 - CS3/2 - 3 - 4 - 6 - 7 - 8 - 19 - 20 - 21 - 23 - 24 - 25 - CS4/36 - 37 - 38 - 40 - 41 - 42 - C5a

LKEA/1 - TO - LKEE/1 - CS5/2 - 3 - 4 - 6 - 8 - 19 - 20 - 21 - 23 - 25 - CS6/36 - 37 - 38 - 40 - 42 - C6a

LKGA/1 - TO - LKGE/1 - CS7/1 - 18 - C6B/35

LKHA/1 - TO - LKHE/1 - CS7/2 - TO - 9 - 19 - TO - 25 - C6B/26 - 36 - TO - 43 - C7a

LKJA/1 - TO - LKJF/1 - PL a

M/S SCA 8 — LKJF 2 — M/C START

R.R ETH. — LKKF 2 — 10 — 2A2 RING RET. — TO LINE TESTER CCT. GBW 13870 OR EQUIV.

CONT. RING — LKFF 2 — 9 — 2B2 CONT. RING — 140 V

0·9mm

MR1 M2AZ

C2 0·5 (R2) 10 — C4 0·5 (R4) 10 — C3 0·5 (R3) 10 — C5 0·5 (R5) 10 — C6 0·5 (R6) 10 — C7 0·5 (R7) 10

PL2 22 21 Pd X

2000 e PL 4

CS1 CS2 CS3 CS4 CS5 CS6 CS7 CS8

TO RINGING TONES & PULSES CCT (GBW 13720 OR EQUIV)

RING M/C START BATT Ø — 0·9mm — SCA 40 — RING M/C ST. 2 — LKLA 1 — PL4 24 23

RSC

Y 1 — 0·02 — X 2 — 1K — X 1

Y 2 — 0·02 — Y 2 — 1K — Y 1

Z 1 — 0·02 — Z 2 — 1K — Z 2

C9 2·0 — C10 2·0 — C11 2·0 — NZ NOTE C

PL5 - RSC11 - 12 - 13

CS 50 4+4 — (R1) 200 — C1 1

(RSC10) - C1a - CSa - CSdm1 (R16) — R16 — W — CSdm — (RSC10) - CSdm2 - CSbj2 - (R16a) — CSbj

PL3 SCA 5 SKTA 5 — PL A 5 — PLA 5 - VT1c - VT3c - T2/2 - T2/3

SCA 3 SKTA 3 — PLA 3

SCA 6 SKTA 6 — PLA 6 — ETH.

SCA 2 SKTA 2 — PLA 2 — BATT.

CORD

FIG. IB ELECTRONIC RINGING GENERATOR

SCC 5 — (VT1) — R10 6·8 — OC 20 OR EQUIV — (MR2) CV 7026 OR EQUIV. — SCC 6

SCC 6 - SCC 8 - VT1c - VT2c - T2/1 - T2/10 - R13A a TP R13E a

T2 1 2 3 4 5 6 7 8 9 10

(VT3) — R8 6·8 — OC 20 OR EQUIV — (MR4) CV 7026 OR EQUIV. — SCC 3 — SCC 4

SCC 10 - SCC 4 - VT3c - VT4c - T1/4(1) - T2/6 - T2/9

(VT2) — R11 6·8 — OC 20 OR EQUIV — (R12) 6·8K — SCC 12 — SCC 11

(VT4) — R9 6·8 — OC 20 OR EQUIV — (R14) 6·8K — SCC 13 — SCC 14

SCC 13 - SCC 11 - SCC 9 - SCC 7 - SCC 1 - C8b

VT2c - VT4c - L1a

(MR3) CV 7026 OR EQUIV. — SCC 8 — SCC 7

C8 1500 — SCC 1 — (R15) 10K — SCC 2 — L1

(MR5) CV 7026 OR EQUIV. — SCC 9 — SCC 10

R13A 100 — R13B 100 — R13C 100 — R13D 100 — R13E 100

T1/5(2) - R13Ab - R13Eb

T1 (1) 4 — I(3) — (2) 5 — 120V — 2(4) — 140V — NOTE 7 — 6 — 3 — T4 — NOTE 8

BATT. W PLA2 - L1b

ETH R PLA6 - T1/1(3) - SCC3 - SCC5 - SCC2 - C8a

	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
CODE	
A	
D	
M	
R	
S	
START	
HOLD	
TIME M/S	300

FIG. IA

BOTTOM TAGS AT REAR OF PLATES

BATT. FUSE 1 — 1B2 — V — 3RD RH (REAR) — Ze - Ye - Xe - PLe — CSe

BATT. FUSE — V — 1ST LH (REAR) — SCA 2

ETH. — ETH. BAR — 1A2 — SCA 47 R — PL 23 - PL1 - PL4 - RSC 7 - R4a - R5a - RGa - R7a — R1a - CS1/W - TO - CS8/W — R2a - R3a

SEE NZ NOTE C REGARDING EARTH ON C9b C10b C11b

ETH. — ETH BAR — SCA 46 R — LKKA1 - LKKB1 - LKKC1 - LKKD1 - LKKE1 - LKKF1 — R — SCA 6

0·9mm

NOTES:-

1. FUSING :- FIG. IA 1·0A PER CCT.
   FIG. IB 3·0A PER CCT.
2. RELAYS X, Y & Z TO BE ADJUSTED TO PROVIDE FOR STEPPING SWITCH EVERY 300 M/S.
3. UNLESS OTHERWISE INDICATED ALL TERMINALS ARE ON STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA (UPPER STRIP) & SCB (LOWER STRIP) IN WIRING RUNS.
4. ALL WIRING TO BE 0·5mm UNLESS OTHERWISE SPECIFIED.
5. WHEN USED WITH 'M' FINAL SELECTOR CCT. GBW 14400 USE CIRCUITS B1/6 ONLY.
6. Ø FOR WIRING SEE GBW 13730 OR EQUIV.
7. ADJUST VOLTAGE ON SITE TO GIVE SATISFACTORY RINGING
8. TERMINAL NUMBERS SHOWN IN BRACKETS THUS (4) REFER TO TRANSFORMER CODED JL 950572/001 WHICH AS THREE WINDINGS 1-2, 3-4, 4-5.
9. ON EARLY EQUIPMENT BATT. COLOURS WERE BK & W.

NZ NOTES

A. WHERE EXCESSIVE OVERHEATING OF CS UNISELECTOR COIL IS EXPERIENCED :-
   (I) REMOVE WIRING SHOWN —1— AND
   (II) ADD RESISTOR R16 AND WIRING SHOWN —2—.

B. WHERE NZ NOTE A APPLIES REMOVE WIRE CSbj1-PL3.

C. LOCAL MOUNTING ARRANGEMENTS TO C9 C10 C11 APPLY.

AMENDMENT PARTICULARS	ISSUE	DATE	APPD
C9, C11, C10 ADDED (REF: NZM 5L) (176087)	4 C	26-7-78	KGD
NZ NOTE B ADDED (30072)	4B	14-6-72	BSH
FIG. IB ALTERNATIVE T1 TAGS & NOTES 8 & 9 ADDED. (34360)	4A	19-4-72	BSH
NZ NOTE 1 ADDED. (30128)	3A	15-12-71	BSH
FIG. IA ETH. WIRING CHANGED FIG. IB TAGS ASSOCIATED WITH MR2-5 & R12, 14 & 15 CHANGED (24176)	3	19-11-65	FC
RING HOLD SCB TAGS NUMBERING CORRECTED	2		
	1		

NZPO

U.A.X NZ 13
RINGING CODES
FOR 5 PARTY LINES

SIZE L | SOV C

GBW 13762