RELAY DESIGN FOR CIRCUIT GBW 13920 SHEET 1 OF 3

TITLE: U.A.X. N.Z. 13 ROUTE DISCRIMINATING AND TIMING RELAY SET.

COMMITTEE'S WIRING DIAGRAM Nº

RELAY NAME	COMM. CODE	IF NEW CODE (card attached)	DEPARTURES FROM DIAGRAM: RESISTANCE	DEPARTURES FROM DIAGRAM: CONTACTS	SPRING NUMBERING CONTACT UNIT NUMBER 1	2	3	4	5	6	7	8	REFERENCES TO NOTES BELOW
SA	1304				3 2 1	22 21							1(B).
					C	M							
SB	1304				3 2 1	2							1(B).
					C	M							
SC	1304				3 2 1	22 21							1(B).
					C	M							
SD	1304				3 2 1	22 21							1(B).
					C	M							
SE	2020				2 1	5 3 4	22 21	24 23					
					M	C	M	M					
SF	2351				2 1	4 3	6 5	8 7	22 21	24 23	26 25	28 27	
					M	B	B	B	B	B	B	B	
MA	73368				2 1	4 3	7 6 5	22 21	25 24 23				
					M	M	C	M	C				
MB	73345				2 1	4 3	7 6 5	22 21	24 23	27 26 25			
					M	M	C	M	B	C			
MC	2815				2 1	4 3	6 5	22 21	24 23				
					M	M	B	M	C				
MD	1618				2 1	5 3 4	22 21						
					M	C	M						

NOTES

SPECIAL FACTORS OF SAFETY	A
SPECIAL ADJUSTMENTS	B
CIRCUIT POINTS OR MODIFICATIONS	C

CLASS	RELAY	NOTES
		1.(B). SPRINGS 21.22 ARE 'X' ADJUSTED.

SA	EF	+	C1
SB	DS	+	C1
SC	ZM	+	C1
SD	K	+	C1
SE	KK	RP	MM
SF	KR	+ *1	MM
MA	KS	MR 1/2 *1	MM
MB	WS	MR 3/4 *3	MM
MC	TP	MR 5/6 *2	TJ
MD	TS	MR7 *2	TJ

MR1. 1/12A.
MR2. 1/12A.
MR3. 1/12A.
MR4. 1/12A.
MR5. 1/12A.
MR6. 1/12A.
MR7. 1/6A.

C1 (R1) 1μF + (200Ω)
TJ. 6+6
MM $\frac{25}{8}$ 1P.7L

*1, *2 STRIP CONN. 121A AT REAR
*3 STRIP CONN. P.O. 125 AT R.H. SIDE.

DATE	4. NOV 53
SIGNED FOR COMMITTEE	GWJ A.T.&E. CO LTD

RELAY DESIGN FOR CIRCUIT GBW13920 SHEET 2 OF 3

TITLE U.A.X. NZ 13 ROUTE DISCRIMINATING AND TIMING RELAY SET

COMMITTEE'S WIRING DIAGRAM Nº

RELAY NAME	COMM. CODE	IF NEW CODE (card attached)	DEPARTURES FROM DIAGRAM: RESISTANCE	DEPARTURES FROM DIAGRAM: CONTACTS	SPRING NUMBERING CONTACT UNIT NUMBER 1	2	3	4	5	6	7	8	REFERENCES TO NOTES BELOW
EF	10252				2 1 M	4 3 M	22 21 M	24 23 B					
DS	11168				2 1 M	~ 6	7 6 5 C	22 21 M	24 23 B	27 26 25 C			
ZM	1665				2 1 M	4 3 B	6 5 B	22 21 M	24 23 B	26 25 B			1.(B)
K	1667				2 1 M	4 3 M	7 6 5 C	22 21 M	24 23 M	26 25 M			B
KK	4095				2 1 M	4 3 M	7 6 5 C	22 21 M	24 23 M	26 25 M	29 27 M		
KR	6042				2 1 M	4 3 M	6 5 M	22 21 M	24 23 M	26 25 M	28 27 M		
KS	10637				2 1 M	4 3 M	6 5 M	8 7 M	22 21 M	24 23 M	26 25 M	28 27 M	
WS	4074				2 1 M	4 3 M	22 21 M						
TP	4691				2 1 M	4 3 B	6 5 B	22 21 M	25 24 23 C				1(B).
TS	5159				2 1 M	4 3 M	7 6 5 C	22 21 M	25 24 23 C				

NOTES

SPECIAL FACTORS OF SAFETY	A
SPECIAL ADJUSTMENTS	B
CIRCUIT POINTS OR MODIFICATIONS	C

CLASS	RELAY	NOTES
		1.(B). SPRINGS 21.22 ARE 'X' ADJUSTED.
		FOR LAYOUT SEE SHEET 1/3.

DATE	4 Nov 53
SIGNED FOR COMMITTEE	GWJ AT&E CO LTD

TS WAS 7794 1553 27-8-54.
DS WAS 11168 1552 24-6-54 DS 22 MAY 1953 2661
1551 22-11-53

RELAY DESIGN FOR CIRCUIT GBW 13920 SHEET 3 OF 3

TITLE UAX NZ 13 ROUTE DISCRIMINATING AND TIMING RELAY SET

COMMITTEE'S WIRING DIAGRAM Nº

RELAY NAME	COMM. CODE	IF NEW CODE (card attached)	DEPARTURES FROM DIAGRAM		SPRING NUMBERING CONTACT UNIT NUMBER								REFERENCES TO NOTES BELOW
			RESISTANCE	CONTACTS	1	2	3	4	5	6	7	8	
RP	6042				2 1 M	4 3 M	6 5 M	22 21 M	24 23 M	26 25 M	28 27 M		

NOTES

SPECIAL FACTORS OF SAFETY	A
SPECIAL ADJUSTMENTS	B
CIRCUIT POINTS OR MODIFICATIONS	C

CLASS	RELAY	NOTES
		FOR LAYOUT SEE SHEET 1/3.

DATE	4 NOV 53
SIGNED FOR COMMITTEE	A.T.&E. CO. LTD

Centimetres 0 5 10 15 20 25 30
6-11-62 1551