

RELAY DESIGN FOR CIRCUIT GBW 14450

1/4

TITLE UAX. NZ 13 BOTHWAY JUNCTION TO MAGNETO
PARENT EXCHANGE

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				
IA	2022				R	E	T	A	R	D						
A	HSD 504				3 1	2 23 21										
RR	1005				2 1											
D	11207				3 1	2 23 21										
RS	11034				2 1	4 3	7 5	22 21	24 23	27 25	26					
RC	11182				2 1											
WS	4873				2 1	5 3	4 6	8 7	22 21	24 23	26 25	28 27				
BA	11194				2 1	5 3	4 6	8 7	22 21	24 23	26 25	28 27			AI	
B	74703				2 1	4 3	7 5	22 21	24 23	26 25						
CD	11186				2 1	4 3	6 5	22 21	24 23	26 25						

NOTES
SPECIAL FACTORS OF SAFETY
SPECIAL ADJUSTMENTS
CIRCUIT POINTS OR MODIFICATIONS

A
B
C

CLASS RELAY NOTES

AI BA F.O.S. 2-7

A	RI, 2, 3	CI	TRI	D	MRI, 2	C4	CB	MR3, 4	R4
IA	C3	C2		RR	RS	RC	WA	WS	
B	CD	DA	DC	+	LS	K	HA	RS, 6, 7	
BA	BX	DB	DD	+	P	HB			
BB	CO	LC	RBI	R8, 9, 10	TM	CM	CJ		
SK	LA	LB	MH	CH	PR	RI, 12			

← 1SC AT REAR
← TJA
← 2SC AT REAR
← TJB

RI-R6 & R8-R12 No. 9
R7 No. 12
R13 No. 6

Continued on 3045-6-2-55

D. WAS 7905
B. WAS 7485
LAYOUT REVISED 155 3 27-1-56
CA ADDED 155 4 24-2-57
H3 WAS HSD 702 155 5 15-4-55
216 ADDED TO LAYOUT 155 6 25-7-56
DELETED FROM LAYOUT 155 7 2-10-56

NZPO (2470) 21-B-73 JHE

DATE 2-9-54
SIGNED FOR COMMITTEE A.T.E. LOBY

RELAY DESIGN FOR CIRCUIT GBW 14450

2/4

TITLE U.A.X. NZ 13 BOTHWAY JUNCTION TO MAGNETO
PARENT EXCHANGE

COMMITTEE'S WIRING DIAGRAM N°

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					
DB	73654				2	22											
					1	21											
					M	M											
DA	70710				3	22											
					1	21											
					C	M											
DD	1074				2	5	B	22	22								
					1	4	6	21	23								
					N	C	C	M	C								
DC	5467				2	4	7	22	24	27							
					1	3	5	21	23	26							
					M	M	C	M	M	C							
LS	11181				2	4	6	22	24								
					1	3	5	21	23								
					M	M	B	M	B								
P	11197				2	5	7	9	22	24	27	29					
					1	4	6	8	21	23	26	28					
					M	K	B	B	M	K	B	B					
K	11196				2	5	8	22	24	27	29						
					1	4	6	7	21	23	26	28					
					M	C	K	M	K	B	MY						A1
HB	11179				2	4	6	22	24								
					1	3	5	21	23								
					M	M	B	M	M								
HA	11179				2	4	6	22	24								
					1	3	5	21	23								
					M	M	B	M	M								B1
SK	10733				2	5	8	22	24	27							
					1	4	6	7	21	23	25						
					M	C	C	B	B	C							

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

CLASS	RELAY	NOTES
B1	HA	TEST & R.A. FIGURES.
A1	K	F.O.S. 3-5

Centimeters 5 10 15 20 25 30

RELAY DESIGN
 DB WAS 74807
 ISS. 4. 27. 1. 55
 SK WAS 11183
 1465 4. 1. 55
 DD WAS 1705
 PA " 11192.
 1556 15. 1. 55

NZPO (2470)
 21-8-73
 JHE

DATE	2-9-54
SIGNED FOR COMMITTEE	A.T. & F. Co. Ltd. G.W.

C.T. N.Z.

RELAY DESIGN FOR CIRCUIT GBW14450

3/4

TITLE U.A.X. NZ13 BOTHWAY JUNCTION TO MAGNETO
PARENT EXCHANGE

COMMITTEE'S WIRING DIAGRAM N°

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		
BB	7385				2 1 M	4 3 M	7 5 C	22 21 M	25 24 C					
LA	7003				3 1 C									
CO	11187				2 1 M	4 3 M	7 5 C	22 21 M	25 24 C					
LB	7003				3 1 C									
LC	11189				2 1 M	5 3 C	23 22 C							
MH	11191				2 1 M	4 3 B	22 21 B							
CH	11195				2 1 M	4 3 M	7 5 C	22 21 M	24 23 M	27 26 C				
PR	1812				2 1 B	22 21 B								
TM	6044	SEE NZ NOTE B BELOW			3 1 K	22 21 M								
CM	4139				3 1 C	22 21 B								

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

CLASS RELAY NOTES

NZ NOTE B
 IN CASE OF PREMATURE OPERATION RELAY TM SHOULD BE CHANGED TO 1000 OHMS, USE BCC CODE 1744.

3045-6-2 1551
 PR WAS 6009
 1552
 2A NZ NOTE B ADDED
 20.6.77 (133487) R/ED

NZPO (2470)
 21-8-73
 JHE

DATE 2-9-54.
 SIGNED FOR COMMITTEE
 H. B. G. CO LTD
 S.W.J.

Centrastrics 10 15 20 25

RELAY DESIGN FOR CIRCUIT GBW 14450 4/4

TITLE U.A.X. NZ13 BOTHWAY JUNCTION TO REMOTE
PARENT EXCHANGE

COMMITTEE'S WIRING DIAGRAM N° _____

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			
WA	11184				2	4	22								
					1	3	21								
					M	B	B								
CB	11188				2	4	22								
					1	3	21								
					M	M	M								
CJ	7143				2										
					1										
					M	M									
BX	11243				2	4	7	22	24	26	28				
					1	3	5	21	23	25	27				
					M	M	C	M	M	M	M				

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

CLASS	RELAY	NOTES

Centimetres 0 5 10 15 20 25 30

BX ADDED
 ISS 2-27-55
 CONTACT 7
 ADDED TO BX
 ISS 4-30-55
 DE ADDED
 ISSUE 5 19-1-56
 DE DELETED
 ISS 6-2-10-56

NZPO
(2470)
21-8-73
JHE

DATE	2-9-54
SIGNED FOR COMMITTEE	A.T.&E. CO LTD SWJ

C.T.
N.Z.