

RELAY DESIGN FOR CIRCUIT GBW 10421 SHT 1/4

TITLE DISCRIMINATING SELECTOR REPEATER
REGULAR & PARTY LINE
200 OUTLET
2000 TYPE

COMMITTEES 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			
A	HS 521	FIGURE 1A			C										B
AA	10838P	1A			3 ₁	2 ₁	2 ₂								B
B	4527P	1A			1	3	4	7	6	22	24	27	28		
C	10708	1A			2	4	22								B
CR	4570	1A			5	23	24	2	22						
D	7905	1A			3	2									
DD	70004	1A			2	5	22	24							
HA	4530	1A			2	5	7	9	22	25	27	29			
HB	4531	1A			3	6	9	22	25	26	27	29			
J	4532	1A			1	4	7	6	23	24	25				

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

CLASS	RELAY	NOTES																										
		<p>FIG. 1A.</p> <table border="1"> <tr><td>YA/YC</td><td>TR</td></tr> <tr><td>BB</td><td>A</td></tr> <tr><td>MC</td><td>B</td></tr> <tr><td>AA</td><td>CR</td></tr> <tr><td>C</td><td>DD</td></tr> <tr><td>D</td><td>HA</td></tr> <tr><td>HA</td><td>HB</td></tr> <tr><td>J</td><td>JG</td></tr> <tr><td>JR</td><td>K</td></tr> <tr><td>LT</td><td>LS</td></tr> <tr><td>LD</td><td>MD</td></tr> <tr><td>MH</td><td>RS</td></tr> <tr><td>Ri</td><td>SC</td></tr> </table> <p>RESISTORS YA, YB, YC, YD, YE, YF = P.O. NO 9 TYPE RESISTORS YG, YH, YJ, YK = P.O. NO 12 TYPE * RESISTORS YN=RADIO TYPE 1/4 W ± 10% DIODES D1, IN4007 OR EQUIV. + CAPACITOR C2 MOUNTED AT REAR OF MECHANISM * RELAY SHIELD + RELAY GUARD</p> <p>NOTE: ON SOME SELECTORS BRA HAS BEEN REPLACED ON SITE BY RESISTORS YL & YM = ISO P.O. NO 9</p> <p>ISSUE 1. 11/4/51 TOP REAR COVER & COMP. BOX LAYOUT SHOWN. TR relays shown as LR. ISSUE 2. 1-5-51 ISSUE 3. 11-5-51 RECT. MRF DELETED. JR RELAY WAS SHOWN AS LR. MRF ADDED IN COND. BOX. ISSUE 4. 3-12-52 LAYOUT REVISED ISSUE 5. 4-6-57 FIG. 1A RESISTOR INFO. ADDED (41343) ISS. G. 30.1-84 1AA</p>	YA/YC	TR	BB	A	MC	B	AA	CR	C	DD	D	HA	HA	HB	J	JG	JR	K	LT	LS	LD	MD	MH	RS	Ri	SC
YA/YC	TR																											
BB	A																											
MC	B																											
AA	CR																											
C	DD																											
D	HA																											
HA	HB																											
J	JG																											
JR	K																											
LT	LS																											
LD	MD																											
MH	RS																											
Ri	SC																											

DATE 11/4/51
 SIGNED FOR COMMITTEE
 N.Z.
 A.T.E. CO.

RELAY DESIGN FOR CIRCUIT

GBW 10421 SHT. 2/4

TITLE

DISCRIMINATING SELECTOR REPEATER
 REGULAR & PARTY LINE
 200 OUTLET
 2000 TYPE

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		
JG	10535	FIGURE IA			3 1	6 4	9 5	22 7	25 8	26 27	27 28	29		
K	5720	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
LD	11171	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
LS	10284	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
LT	10848	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
MD	73240	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
MH	4573P	IA			22 21	2 1	4 3							
RS	4542	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
RT	2780	IA			2 1	5 3	7 6	9 8	22 21	25 23	26 26	27 28	29	
SC	10847	IA			6 1	2 23	24 21	22 21	27 26	25 3	24 4	27 8	29 28	

NOTES SPECIAL FACTORS OF SAFETY A
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CLASS	RELAY	NOTES
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FIG. 1 B.

YA/ <u>YA</u> / <u>YA</u>	YB/ <u>YB</u> / <u>YB</u>
DA	OA
<u>DA</u>	<u>OA</u>
<u>DA</u>	<u>OA</u>
+	+
+	+
+	+

YA = P.O. No 12 YB = P.O. No 9

Issue 1. 11/4/51
 K RELAY WAS 1362
 ISSUE 2. 3-12-52
 K RELAY WAS 5210
 ISSUE 3. 22-5-53
 LD RELAY WAS 7965
 ISS 4. 3-5-54
 LAYOUT REVISED
 ISSUE 9. 4-6-57

N.Z.
 DATE 11/4/51
 SIGNED FOR COMMITTEE [Signature]

RELAY DESIGN FOR CIRCUIT **GBW 10421** SHT. 3/4

TITLE DISCRIMINATING SELECTOR REPEATER
REGULAR & PARTY LINE
200 OUTLET
2000 TYPE

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				
JA	6008	FIGURE 2C			3	2	22									
					1	2	21									
					C	M										
JB	10232	2C			3	2										
					1	2										
					C											
MC	4543	1A			2	5	22									
					1	3	21									
					M	C	M									
OA	4540	1C			3	6	9	22	26	29						
					1	4	7	21	24	27						
					C	C	C	C	C	K						
OB	10704	1C			2	5	9	22	25	28						
					1	3	6	21	23	26						
					M	C	C	B	C	K						
DA	4575	1B			3	6	9	22	25	28	29					
					1	4	7	21	23	26	28					
					C	C	C	M	C	M	M					
DA	4575	1C			3	6	9	22	25	28	29					
					1	4	7	21	23	26	28					
					C	C	C	M	C	M	M					
OA	4538	1B			3	6	9	22	25	28						
					1	4	7	21	23	26	27					
					C	C	C	B	C	K						
DB	4575	1C			27	6	9	22	25	28	29					
					26	4	7	21	23	26	28					
					M	C	C	M	C	C	M					
JR	4699	1A			23	5	10	27	8	7	2	29				
					21	3	4	25	26	6	1	28				
					M	C	C	M	K	M	B					

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

CLASS	RELAY	NOTES										
		<p>FIG. 1 C.</p> <table border="1"> <tr> <td>YA/YB</td> <td>+</td> </tr> <tr> <td>DA</td> <td>OA</td> </tr> <tr> <td>DB</td> <td>OB</td> </tr> <tr> <td>+</td> <td>+</td> </tr> </table> <p>RESISTOR YA = P.O. No 9 " YB = P.O. No 12</p> <p>FIG. 2 C.</p> <table border="1"> <tr> <td>JA</td> </tr> <tr> <td>JB</td> </tr> </table>	YA/YB	+	DA	OA	DB	OB	+	+	JA	JB
YA/YB	+											
DA	OA											
DB	OB											
+	+											
JA												
JB												

ISSUE 1. 11/4/51
 ISSUE 2. 20.6.57

DATE 11-4-51
 SIGNED FOR COMMITTEE *[Signature]*
 A.T.E. CO. LTD.

Centimetres 0 5 10 15 20 25 30

RELAY DESIGN FOR CIRCUIT GBW 10421 SHT 4/4

TITLE DISCRIMINATING SELECTOR REPEATER
REGULAR & PARTY LINE.
200 OUTLET.
2000 TYPE.

COMMITTEE'S WIRING DIAGRAM NO

RELAY NAME	COMM. CODE	IF NEW CODE (CARD ATTACHED) FIGURE	DEPARTURES FROM DIAGRAM		SPRING NUMBERING CONTACT UNIT NUMBER								REFERENCES TO NOTES BELOW		
			RESISTANCE	CONTACTS	1	2	3	4	5	6	7	8			
BB	2042A	1A			2 1	4 3	6 5	22 21	25 24 23						
					M	M	M	M	C						

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

CLASS	RELAY	NOTES

ISSUE: 1/4/51

DATE 4/4/51
SIGNED FOR COMMITTEE G.W.J.
A.E.C. CO. 10

Centimeters

0
5
10
15
20
25
30