

# RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINE TEST UNIT FOR DISCRIMINATING SELECTOR  
REPEATERS ORDINARY AND C.C.B. 200 OUTLET.  
2000 TYPE.

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				
AA	4115				1	2										
AB	4662				1	2	4	7	6	22	24	26	28			
AC	20050				1	2	3	4	22							
AD	4664				1	2	3	4	6	22	24					C1
AE	6363				1	2	3	4	6	22	24					
AF	2593				1	2										
AO	1005				1	2										
AP	5004				1	2	3	4	23	22						
AR	4788				1	2										
AT	10430				1	2	3	4	23	22						C2 B1

NOTES SPECIAL FACTORS OF SAFETY  
 SPECIAL ADJUSTMENTS  
 CIRCUIT POINTS OR MODIFICATIONS

A  
B  
C

CLASS	RELAY	NOTES
C1	AD	SPGS. 21 AND 22 UNWIRED.
C2	AT	SPGS. 3 AND 4 UNWIRED
B1	AT	TEST AND READJUST FIGURES.

LAYOUT RACK N° 1

VE/VZ/AB	YK/X/W	YBA/BB/BO	YD/E/N	MRB	MRJ		
YS/T/U	ZNR	YQR	MRA				
YM/Y/ZF	YH/P/V	ZM/H/SA-C	ZB/C/D/E	YA/G			
Y3/FA/FB	YG/ZG/L	ZP/Q/K/J	ZU/ZA				
M	MM	AO	GAA				
MF	CB	MFB	GAB				
TK	PB	MRC/F	QB				
PA	MRC/F	MRC/A/B	MRGC				
GO	LA	LB	LE				
BQ	DG	JD	LF				
BT	MRK/E	MRD	TC				
RX	RD	RO	T				
NR	RL	PC	BB				
MRH	RH	LD	LH				
BR	AT	BH	LG				
CO	CW	BG	BA				
CT	I	SL	LC				
JH	AP	SC	MR				
MT	MH	OL	AF				
PS	JB	DA	RA				
RT	RTA	SD	D				
TL	SM	SZ	S				
KA	KC	SG	PL				
R5	KB	PJ	PK				
DB	LT	CL	PH				
AD	PE	PF	PG				
PT	PX	PY	SR				
TT	BM	AE	B5				
GF	GD	GC					
S	TB	TA					
IP	IR	AA	DS				
IQ	DT	AB	DX				
TS	TU	AC	BC				
TZ	TR	CC	C				

RACK N° 2

GE							
MP							
MA	MB	MC	SO				
NP	PM	MZ	MS				

ISS. 1. 10.3.50

LAYOUT ADDRESS WAS SHEET 1-11. AR WAS 20489.

LAYOUT REVISED 28.12.51.

LAYOUT REVISED 31.1.52.

LAYOUT REVISED 8.4.54

ISSUE NO ADVANCED ONLY (69265) B.C.

7. REPLACEMENT TCG. INCORP. JHE (03798)

7A 4.12.74

NO CHANGE.

SHT 11 AMD (38431)

ISS. 7B GCG 4-10-83

SO ADDED LAYOUT RACK N° 2 (042410)

ISS TC GCG 9/4/84

ORIGINATED BY E.T.

DATE 10.3.50

SIGNED FOR COMMITTEE

# RELAY DESIGN FOR CIRCUIT GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET. 2000 TYPE.

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				
BA	10354				2 <sup>22</sup>											
					1 <sup>21</sup>											
					M	M										
BB	10354				2 <sup>22</sup>											
					1 <sup>21</sup>											
					M	M										
BC	4069				2 <sup>4</sup>	22 <sup>24</sup>										
					1 <sup>3</sup>	21 <sup>25</sup>										
					M	M	M	M								
BG	2093				2 <sup>4</sup>	22 <sup>22</sup>										
					1 <sup>3</sup>	21 <sup>21</sup>										
					M	M	M									
BH	2093				2 <sup>4</sup>	22 <sup>22</sup>										
					1 <sup>3</sup>	21 <sup>21</sup>										
					M	M	M									
BI	4722*				2 <sup>22</sup>											
					1 <sup>21</sup>											
					B	M										
BM	4789 P				2 <sup>4</sup>	6 <sup>22</sup>	22 <sup>25</sup>	24 <sup>24</sup>								
					1 <sup>3</sup>	5 <sup>21</sup>	21 <sup>23</sup>	23 <sup>23</sup>								
					P	M	M	M	C							
BQ	73291				2 <sup>5</sup>	8 <sup>7</sup>	22 <sup>24</sup>	24 <sup>27</sup>	26 <sup>26</sup>							
					1 <sup>3</sup>	4 <sup>6</sup>	21 <sup>23</sup>	23 <sup>25</sup>	25 <sup>25</sup>							
					M	C	C	M	M	C						
BR	4663				2 <sup>5</sup>	8 <sup>7</sup>	22 <sup>25</sup>	24 <sup>28</sup>	27 <sup>27</sup>							
					1 <sup>3</sup>	4 <sup>6</sup>	21 <sup>23</sup>	23 <sup>24</sup>	26 <sup>26</sup>							
					M	K	K	B	K	K						
BS	4069				2 <sup>4</sup>	22 <sup>24</sup>										C.I.
					1 <sup>3</sup>	21 <sup>23</sup>										
					M	M	M	M								

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

CLASS	RELAY	NOTES
C.I.	BS	SPGS. 21 AND 22 UNWIRED.  * FOR ALTERNATIVE BI RELAY SEE SHEET 12-12.

Centimetres

20  
25

NIZPO

10.3.50  
BA & BB WERE  
6094. BI WAS  
20534  
155.2. 24.3.50  
BI WAS 4715.  
155.3. 4. 8. 50.  
SHEET NO WAS 2-11.  
NOTE ADDED TO  
BI RELAY.  
BM WAS 4660 P.  
4. 28.12.51.  
ISSUE NO. ADVANCED  
ONLY (69265)  
7 27-5-63 BC  
REPLACEMENT  
TCG. INCORP.  
(83798) JHE  
TA 4.12.74  
NO CHANGE.  
SHT 11 AMD (38431)  
155.7B FB 4.10.83 GCG  
NO CHANGE SHTS  
1&10 AMD (42410)  
1557C 9.4.84 GCG

ORIGINATED BY E. T.  
DATE 10.3.50.  
SIGNED FOR COMMITTEE *[Signature]*

RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET. 2000 TYPE.

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						
BT	6010				3	2	23	22										
C	5257																	
CB	1718																	
CC	4661																	
CL	40156																	
CQ	2290																	
CT	1924																	
CW	1467																	
DA	6048																	
DQ	73291																	

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

CLASS	RELAY	NOTES

10.3.50  
SHEET NO WAS 3-11.  
DA WAS 2537.  
CB WAS 1070.  
CW WAS 7514.  
2. 28. 12. 51.  
CB WAS 6040  
CT WAS 1618.  
3. 5. 5. 52  
CL WAS 7027  
4. 17. 6. 59.  
ISSUE NUMBER  
ADVANCED ONLY  
(69265)  
7. 25.7.63  
REPLACEMENT  
TCG. INCORP.  
(83798)  
7A 4.17.74  
NO CHANGE.  
SHT 11 AMD (38431)  
GCG  
ISS. 7B FB 4-10-83  
NO CHANGE SHTS  
1 & 10 AMD (42410)  
ISS 7C 9-4-84  
GCG

ORIGINATED BY E. T  
DATE 10.3.50  
SIGNED FOR COMMITTEE

0  
5  
10  
15  
20  
25  
30  
Centimeters

# RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET 2000 TYPE

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			
DS	10067				2 1	4 3	22 21	24 23							
DT	7078				3 1	2									
DX	6119				2 1										
GQ	2290				2 1	5 4	22 21	25 24							
I	2012														
IR	4768P				2 1	22 21									
IP	2017A				3 1	2									
IQ	4034A				2 1										
JB	2537				3 1	2 21									
JC	6030				2 1	5 4	23 21	22							

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

CLASS	RELAY	NOTES

Centimeters 5 10 15 20 25

NZPO

ISS. 2 22.3.51.	IR WAS 4034A.	ORIGINATED BY	E.T
SHEET NO WAS 4-11		DATE	10.3.50.
3. 31.12.51.		SIGNED FOR COMMITTEE	<i>[Signature]</i>
ISSUE NUMBER ADVANCED ONLY (69265)			
7 27-5-63 REPLACEMENT TCG. INCORP. (83798) JHE			
7A 4.12.74 NO CHANGE. (38431) SHT 11 AMD			
ISS. 7B FB 4-10-63 NO CHANGE SHTS 1 & 10 AMD (42410) GCG			
ISS. 7C 9.4.84 GCG			

# RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET. 2000 TYPE.

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			
JD	6030				2 1	5 3	4 21	23 22							
JH	4069				M	C	C								
KA	20442				2 1	5 3	4 21	22							
KB	20442				M	C	M								
KC	4545				2 1	4 3	22 21								
LA	1194				M	B	M								
LB	4659				2 1	4 3	6 5	22 21	24 23						
LC	10167				M	M	B	M	M	B	B				
LD	10167				2 1	22 21									
LE	4659				M	M	B	M	B						

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

CLASS	RELAY	NOTES

03.50. CAPS WERE GOBI  
 155.2. 24.5.50.  
 SHEET N° WAS 5-11.  
 31.12.51.  
 ISSUE ADVANCED ONLY (69265)  
 7. REPLACEMENT TCG. INCORP (83798). JHE  
 7A 4-12-74  
 NO CHANGE. SHT 11 AMD (38431)  
 155.7B FB 4-10-83 GCG  
 NO CHANGE SHTS 1 & 10 AMD (42410)  
 155.7C 9-4-84 GCG

ORIGINATED BY	E. T.
DATE	10.3.50.
SIGNED FOR COMMITTEE	<i>[Signature]</i>

5  
 10  
 15  
 20  
 25  
 INZPO

RELAY DESIGN FOR CIRCUIT GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B  
200 OUTLET, 2000 TYPE.

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					
LF	4659				2	4	6	22	24								
					1	3	5	21	23								
					M	M	B	M	B								
LG	10167				2	22											
					1	21											
					B	M											
LH	10167				2	22											
					1	21											
					B	M											
LT	4743				2	4	22										B.I.
					1	3	21										
					M	B	M										
MA	7361				2												
					1												
					M												
MB	4016				2	4	22										
					1	3	21										
					M	B	B										
MC	6001				2	22											
					1	21											
					M	M											
MF	1007				2	5	4	22	25	24							
					1	3	21	23	24								
					M	C	M	C									
MH	1208				2	4	6	23	26	25							C.I.
					1	3	5	21	22	24							
					M	B	B	C	C								
M	7339				2	4	7	22	24	26	28						
					1	3	5	21	23	25	27						
					M	B	C	M	M	B	B						

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

CLASS	RELAY	NOTES
B.I.	LT	TEST AND READJUST FIGS.
C.I.	MH	SPGS. 5 AND 6 UNWIRED

ISS. 1. 50  
10.3.50  
LT WAS D400F  
ISS. 2. 29.9.50.  
SHEET NO WAS 6-11  
3. 21.12.51.  
ISSUE ADVANCED ONLY (69265)  
7. 27-5-63  
REPLACEMENT  
TCG. INCORP.  
(83798) JHE  
7A 4-12-74  
NO CHANGE.  
SHT 11 AMD. (38431)  
ISS. 7B FB 4-10-83  
NO CHANGE SHTS  
1 & 10 AMD (42410)  
ISS 7C 9-4-84 GCG

ORIGINATED BY	E. T.
DATE	10.3.50.
SIGNED FOR COMMITTEE	

Continued on

N Z P O

# RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET. 2000 TYPE.

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					
MM	6048				2	4	7	6	22	25	24						
					1	3	5	21	25								
					M	M	C	M	C								
MR	4116				2	4	22	24									
					1	3	21	23									
					M	B	M	B									
MS	2017				3	2											
					1	C											
MT	6001				2	22											
					1	21											
					M	M											
MZ	4070				2	4	6	22	24								
					1	3	5	21	23								
					M	M	M	M	M								
MFB	1882				2	4	22	24									
					1	3	21	23									
					M	B	M	B									
NP	5220				2	4											
					1	3											
					M	M											
NR	2537				3	2	22										C.I.
					1	21											
					C	M											
OL	6001				2	22											
					1	21											
					M	M											

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

CLASS	RELAY	NOTES
C.I.	NR	SPG. 1 UNWIRED.

050  
1551  
SHEET NO WAS 7-11  
31.12.51  
ISSUE ADVANCED ONLY (69265) B.C.  
27-5-63  
REPLACEMENT TCG. INCORP. (83798). JHE  
7A 4.12.74  
NO CHANGE SHT 11 AMD (38431)  
155 7B FB 4.10.83 GCG  
NO CHANGE SHTS 1 & 10 AMD. (42410)  
155 7C 9.4.84 GCG

ORIGINATED BY E.T  
DATE 10.3.50.  
SIGNED FOR COMMITTEE *[Signature]*

5 Centimeters 10 15 20 25

# RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. AND C.C.B.  
200 OUTLET, 2000 TYPE.

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			
OM	20724				1 2 22 4 21 3										
PA	72276				M M M										
PB	6040				1 2 4 6 22 24 3 5 21 23										
PC	4219				M B B M B										
PE	4676				1 2 4 7 6 22 24 27 26 3 5 21 23 25									C.I.	
PF	10137				M B C M B C										
PG	1350				1 2 5 4 22 25 24 3 21 23										
PH	1350				M K B K										
PJ	10137				1 2 5 4 22 24 3 21 23										
PK	1350				M C C M B C										

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

CLASS	RELAY	NOTES
C.I.	PE	SPG. 3 UNWIRED.

1. SHEET NO WAS 8-11. OM WAS 6001.	2. 31. 12. 51.	ISSUE ADVANCED ONLY (69265)	7. REPLACEMENT TCG INCORP. (83798)	7A 4-12-74	NO CHANGE. SHT 11 AMD (38431)	ISS. 7B FB 4-10-83	NO CHANGE SHTS 12,10 AMD (42410)	ISS 7C 9-4-84	ORIGINATED BY	E. T.
									DATE	10.3.50.
									SIGNED FOR COMMITTEE	<i>[Signature]</i>

5 Centimeters  
 10  
 15  
 20  
 25  
 30  
 NIZPO  
 10.3.50  
 SHEET NO WAS 8-11. OM WAS 6001.



# RELAY DESIGN FOR CIRCUIT GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. AND C.C.B.  
 200 OUTLET. 2000 TYPE.

## COMMITTEE'S WIRING DIAGRAM N°

RELAY NAME	COMM. CODE	IF NEW CODE (card attached)	DEPARTURES FROM DIAGRAM		SPRING NUMBERING CONTACT UNIT NUMBER								NOTES		
			RESISTANCE	CONTACTS	1	2	3	4	5	6	7	8			
PL	7288				2 1	4 3	22 21	24 23							
PM	1005				2 1										
PS	6022				2 1	4 3	6 5	22 21	24 23						
PT	4744				2 1	5 4	23 21	22 24	25					TEST AND R.A. FIGURES	B
PX	4877				3 2	22 21									
PY	4878				3 2	6 5	22 21	25 23	24					SPGS. 1 & 25 SPARE.	
RA	5561				2 1										
RD	4073				2 1	22 21									
RH	6022				2 1	4 3	6 5	22 21	24 23						
RO	2022									R	E	T	A	R	D

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

CLASS	RELAY	NOTES

5 Centimeters 10 15 20 25  
 N Z P O

B.C. JHE GCG GCG

10.3.50  
 BT WAS 54006  
 195.2. 14.8.51.  
 PX WAS 4139.  
 SHEET NO WAS 9-11  
 3. 31.12.51.  
 PX WAS 1674.  
 NOTE RE PX  
 ADDED.  
 4. 11.12.52.  
 NOTE RE PX  
 DELETED.  
 5. 8.4.54.  
 PX WAS 4139  
 PY WAS 10099  
 6. 17.8.54.  
 NOTES REVISED.  
 7. 12.12.56.  
 REPLACEMENT  
 TCG. INCORP.  
 (83798).  
 7A 4.12.74  
 NO CHANGE.  
 SHT 11 AMD (38431).  
 195.7B FB 4.10.83  
 NO CHANGE SHTS  
 1 & 10 AMD (42410)  
 195.7C 9.4.84

ORIGINATED BY E.T.  
 DATE 10.3.50.  
 SIGNED FOR COMMITTEE

RELAY DESIGN FOR CIRCUIT GBW 11140

TITLE ROUTINER TEST UNIT FOR D.S.R. ORD. & C.C.B.  
200 OUTLET. 2000 TYPE.

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				
RS	5079				2 1	5 3	4 2	22 21								C.I.
RT	2318				2 1	5 3	4 6	8 7	22 21	25 23	24 26	27 28	29 28			
RTA	1007				2 1	5 3	4 2	22 21	25 23	24						
SC	4069				2 1	4 3	22 21	24 23								
SD	1202				2 1	4 3	6 5	22 21	25 23	24						
SG	5562				2 1	4 3	23 21	22								
RL	10354				2 1	22 21										
SL	4015				2 1	5 3	4 6	8 7	22 21	24 23	27 25	26				
SM	6001				2 1	22 21										
SO	B6494				2 1	22 21										
SR	10286				2 1	4 3	22 21									

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

CLASS	RELAY	NOTES
C1	RS	SPRINGS 21 AND 22 UNWIRED

ISS 1 10.3.50. 50 WAS 10147. SH (WAS 6001) DELETED. RL ADDED. 155.2. 24.5.50. SHEET NO WAS 10-11. 3. 31. 12. 51. ISSUE NUMBER ADVANCED ONLY (69265) 7 27.5.63 REPLACEMENT TCG. INCORP. (83798). JHE 7A 4.12.74 NO CHANGE. SHT 11 AMD (38431) 155.7B FB 4-10-83 GCG SO ADDED (42410) 155.7C 9-4-84 GCG

ORIGINATED BY	E.T.
DATE	10.3.50.
SIGNED FOR COMMITTEE	<i>[Signature]</i>

Continued on 10 15 20 25 NIZPO

# RELAY DESIGN FOR CIRCUIT GBW 1140

TITLE ROUTINER TEST UNIT FOR D. S. R. ORD. AND C. C. B.  
200 OUTLET. 2000 TYPE.

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	
SS	10049				2 1 M	4 3 M	7 5 C	6 21 M	22 23 M	24 25 M	27 26 C		
SZ	6035				2 1 M	4 3 M	6 5 M	22 21 M	24 23 M	26 25 M			
TD	1618				2 1 M	5 3 C	4 21 M						
TK	H5521				6 1 C	4							B.I.
TL	73393				2 1 M	24 23 B	22 21 M	4 3 M					
TR	4074				2 1 M	4 3 M	22 21 M						
TS	5381				2 1 M	4 3 M	6 5 B	8 7 M	22 21 M	24 25 M	26 27 B		
TT	6038				2 1 M	4 3 M	7 5 C	22 21 M	24 23 M	27 26 C			
TU	NZ 50676 AD				3 1 C	2 21							
TZ	6212				2 1 M	4 3 M	6 5 M	8 7 M	22 21 M	24 23 M	26 25 M	28 27 M	C.I.

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

CLASS	RELAY	NOTES
B.I.	TK.	TEST AND READJUST FIGURES
C.I.	TZ	SPGS. 1 AND 2 UNWIRED.

05.801 1.51

NIZPO

5. C. Enghelms

10

15

20

25

3. SZ WAS 7047

4. ISS. 2. 26.2.51.

5. TU WAS 7191. SHEET NO WAS 11-11.

6. 31.12.51.

7. TL WAS 4031.

8. 17.8.54.

9. TL SPRING NUMBERING CHANGED

10. 4-10-54

11. ISSUE ADVANCED ONLY (69265)

12. 27-5-63

13. REPLACEMENT TCG. INCOMP. (83798). JHE

14. 7.A 4.12.74

15. TU COMM. CODE AMD (38431)

16. 155.7B FB 4-10-83 NO CHANGE SHTS. 1.&10 AMD (42410)

17. 155.7C 9-4-84 GCG

18. ORIGINATED BY E.T.

19. DATE 10.3.50

20. SIGNED FOR COMMITTEE

RELAY DESIGN FOR CIRCUIT

GBW 11140

TITLE ROUTINER TEST UNIT FOR DISCRIMINATING SELECTOR  
 REPEATERS ORDINARY AND C.C.B. 200 OUTLET  
 2000 TYPE.

COMMITTEE'S WIRING DIAGRAM N°

RELAY NAME	COMM. CODE	DEPARTURES FROM DIAGRAM		SPRING NUMBERING CONTACT UNIT NUMBER								REFERENCES TO NOTES BELOW			
		RESISTANCE	CONTACTS	1	2	3	4	5	6	7	8				
BI *	20726				4 3	22 21	2 1								
DB	2537				B C	M M									
RX	20708				2 1	22 21									
CX	6010				3 2 1	23 22 21									

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

CLASS	RELAY	NOTES
		* FOR ALTERNATIVE 'BI' RELAY SEE SHEET 2-12.

ISSUE 28.12.51  
 PX RELAY AND NOTE ADDED.  
 2. 11.12.52  
 PX RELAY AND NOTE DELETED  
 CX RELAY ADDED  
 3. 8.4.54  
 ISSUE ADVANCED ONLY (69265)  
 7. 27.5.63  
 REPLACEMENT TCG INCORP.  
 (83798) JHE  
 7A 4.12.74  
 NO CHANGE SHT 11 AMD (38431)  
 155.7B FB 4.10.83 GCG  
 NO CHANGE SHTS 1 & 10 AMD(42410)  
 1557C 9.4.84 GCG

NZPO  
 ORIGINATED BY E.T.  
 DATE 28.12.51.  
 SIGNED FOR COMMITTEE