UD 237

NOTES

1. FUSING
   - FIG. 1A — 1.0A PER CONTROL UNISELECTOR
   - FIG. 1C — 1.5A PER 60 METERS
   - FIG. 1J OR 1K — 1.0A PER ACCESS UNISELECTOR
   - FIG. 2A — 3.0A PER COMMON EQUIPMENT
   - FIG. 2B — FUSED WITH FIG. 2A
   - FIG. 2C — " " "
   - FIG. 2D — " " "
   - FIG. 2G — " " "
   - FIG. 2K — " " "
2. ALL WIRING NOT OTHERWISE SPECIFIED TO BE 0.5mm PLATE WIRING TO BE 0.5mm & WHERE PLATE STRAPPING IS USED, COLOURS SHOWN IN BRACKETS TO BE DISREGARDED. UNISELECTOR BANK WIRING TO BE 0.5mm UNLESS, OTHERWISE SPECIFIED.
3. Ø FOR WIRING SEE G.B.W. 11040 OF. EQUIV.
4. WHEN FIG. 2B IS PROVIDED USE CONNECTIONS SHOWN —1—1— WHEN FIG. 2C IS PROVIDED USE CONNECTIONS SHOWN —2—2—
5. THE ACCESS CHANGE OVER KEY SHALL BE LEFT NORMAL WHEN RECORDING ON COMMON APPARATUS, AND SHALL BE THROWN WHEN RECORDING ON CONVERSATIONAL SWITCHES.
6. AT SOME EARLY EXCHANGES YF IS 1200 OHMS.
7. AT ATTENDED EXCHANGES WHERE A DAILY RECORDING IS MADE CONNECT CONTACT 50 OF ARC T8 OF THE 'ODD' UNISELECTORS TO TERMINAL 'S' AND CONTACT 50 OF ARC T8 OF THE 'EVEN' UNISELECTORS TO TERMINAL 'CN'. WHEN 1U/S OF A PAIR (1A-1B-2A-2B-3A-3B) IS NOT PROVIDED, THE TERMINAL CONNECTED TO THE KEY SPRING APPROPRIATE TO THE MISSING UNISELR. IS TO BE STRAPPED TO ONE OF THE TERMLS. CONNECTED TO THE ADJACENT KEY SPRINGS OF THE OTHER PAIRS, THUS IF SWITCH 3B IS NOT PROVIDED, TERML. 3B IS STRAPPED TO TERML. 1B OR 2B & WITH THE ACCESS U/S KEY IN POSN. 3 METERS WILL NOT BE ASSOCD. WITH THE SECOND HALF OF THE CONTROL U/S. SHOULD A SINGLE 'ODD' ACCESS U/S BE REQD. IN EXCESS OF THE 3 PAIRS, THEN CONTACT 50 OF ARC T8 OF THIS U/S SHOULD BE CONND. TO TERML. 'CN' & THE SPGS. OF ITS ASSOCD. KEY SHOULD NOT BE STRAPPED.
8. U LINKS INSERTED AS REQD. TO COMMON A METER TO A NUMBER OF BANK CONTACTS OF ARCS CN3,4 OR 5.
9. WHEN FIG. 2K IS FITTED, THE START KEY IN FIG. 2A IS SUBSTITUTED BY THE VC. CONTACTS AND EARTH ON CONTACT R2. SUBSTITUTED AS SHOWN.
10. FOR RECORDING TRAFFIC CARRIED BY SWITCHES HELD DURING CONVERSATION USE ACCESS EQUIPMENT TO FIGS. 1B, 1F & 1J.
    FOR RECORDING TRAFFIC CARRIED BY COMMON APPARATUS USE ACCESS EQUIPMENT TO FIGS. 1B, 1G & 1K.
11. I.D.F. TERMINATIONS, FIG. 3 ARE PROVIDED WHENEVER MORE THAN ONE CONTROL RACK IS REQD. (INITIALLY OR ULTIMATELY) WHEN ONLY ONE CONTROL RACK (INITIAL & ULTIMATE) IS REQD. OMIT FIG. 3 AND CONNECTIONS SHOWN —3—3— AND ADD CONNECTIONS SHOWN —4—4—
12. 'CO' I.D.F. TERMINAL ONLY REQD. WHEN RECORDING TRAFFIC CARRIED BY COMMON APPARATUS.
13. WHEN IT IS REQUIRED TO COMPLETE THE RECORDING IN ONE WEEK, ONE CN SWITCH MUST BE PROVIDED FOR EVERY PAIR OF ACCESS UNISELECTORS, COUNTING A SINGLE 'ODD' ACCESS U/S AS A PAIR, IN THIS CASE CONTACT 50 OF ARC T8 OF THE 'ODD' UNISELECTORS SHOULD BE CONNECTED TO TERMINAL 'S' CONTACT 50 OF ARC T8 OF 'EVEN' UNISELECTORS SHOULD BE CONNECTED TO TERMINAL 'CN' AND THE ACCESS U/S KEYS SHOULD NOT BE STRAPPED. SHOULD A SINGLE 'ODD' ACCESS U/S BE REQD. CONTACT 50 OF ARC T3 OF THIS U/S SHOULD BE CONNECTED TO TERMINAL 'CN' AND THE ACCESS CONTROL KEY SHOULD NOT BE STRAPPED.

FIG. 2A
COMMON EQUIPMENT
1 PER TRAFFIC RECORDER

CONTROL 1ST RACK

RH REAR PLATE TAGS:-
DKe - DMe
DJe - DLe - DNe
DBe - DDe - DFe - DHe
DAe - DCe - DEe - DGe
STe - FAb - FAe - ARe - (VCe FIG. 2K) - Re
SAe - SC1e - CS1e
SC2e - CS2e - SDe
Ae - C01e
De - (Ce FIG. 2C) - CO2e
TEST CYCLE
METER RH. TAG - YE2 - YF2

LH. REAR PLATE TAG:-
ETH BAR — DM25 - DMI - DK25 - DKI
ETH BAR — DN25 - DNI - DL25 - DLI - DJ25 - DJI
ETH BAR — DH25 - DHI - DF25 - DFI - DD25 - DDI - DB25 - DBI
DG25 - DGI - DE25 - DEI - DC25 - DCI - DA2 - DA23 - DAI - DA3
EARTH R. 0.7mm — 0.7mm
ETH BAR — FA21 - FA3 - ST3 - ST1 - QBd - QAd
R23 - R26 - RI - (R3) - SF2I - SFI - (AR2. FIG. 2B)
ETH BAR — (YB2 - YA. FIG. 2B) CSI/21 - CSI/23 - CSI/25 - CSI/I - CSI/3 - CSI/5
ETH BAR — CS2/21 - CS2/23 - CS2/25 - CS2/I - CS2/3 - CS2/5
ETH BAR — (B2I - A2 FIG. 2C) - (C2 FIG. 2C) - (DI - D3)
KR22 - KA25 - KA5 - (KMS25 - KT522 - CONT. ON TIME SW. MECH. FIG. 2K) - TERML. ID.

BATT. BK. 0.7mm — FUSE

CONTROL 2ND RACK

ETH BAR — DZ25 - DZ - DX25 - DXI
ETH BAR — DY25 - DYI - DW25 - DWI
EARTH R. 0.7mm — 0.7mm
ETH BAR — DV25 - DVI - DT25 - DTI - DR25 - DRI - DP25 - DPI
ETH BAR — DU25 - DUI - DS25 - DSI - DQ25 - DQI - DO25 - DOI
ETH BAR — CS3/21 - CS3/23 - CS3/25 - CS3/I - CS3/3 - CS3/5
ETH BAR — CS4/21 - CS4/23 - CS4/25 - CS4/I - CS4/3 - CS4/5

BATT. BK. 0.7mm — FUSE

FIG. 2B
IMPULSING CIRCUIT
(WHEN 10 I.P.S. MACHINE IS NOT AVAILABLE)

FIG. 2C
IMPULSING CIRCUIT
(WHEN 10 I.P.S. MACHINE IS AVAILABLE)
NOT TO BE USED FOR NEW WORK

JACK B.P.O. NO. 24 SATURATE — JACK B.P.O. NO. 24 OPERATE

DA1 — YA 350 — DA2 — YB 350 — DA3 — YC 350 — DA4 — YD 350

YF 1.15K NOTE 6 — LPA BUSY 2/6V — FA3 — SF2 — R1
SF2-R2-FA22-LPAa

10 I.P.S. (EARTH) — ST2 — TEST CYCLE 2300

KR2 — KR1 — FA1

FAULT ALARM LAMP — FA 4

R5 — NOTE 4 — 10 I.P.S. MACHINE START.

D2 — D3 — QA 200 — QB 200 — DA 4 — DB

TERML. DA — FIG. 1A KC2/25-KC4/25 ETC. D2 QAa-DAa
TERML. DB — FIG. 1A KC1/25-KC3/25 ETC. D4 QBa

ACCESS C/O (KA)	START (KS)	RESET (KR)
4	3	2

TO SECOND CONTROL RACK WHEN REQD.

R3 — SF3 — AR 1 — SF FA AR

KS2 — VC2 NOTE 9 — ST 3 — ST1 — R 6 — FA4 — ST3

30 SECS. Ø EARTH. — KA3 — SD1 — SF 3 — R6

SA1 — SD 1 — SB 2 — SB1 — SA 2 — KA2

6 SEC. Ø ETH. — KS1 — VC3 NOTE 9 — YE 500 — KA1

(VC4) - SF22 - R4 - FA4 - (KS21)

KS3 — FA2 — SF2 — R2 — NOTE 9 — PROMT ALARM — VC1 — KTS2

KMS1 KMS2 KTS1 — CONTACT ASSOCIATED WITH TIME SWITCH MECHANICAL B.P.O. NO. 24

VC 3 (NOTE 9)

TIME SWITCH START (KTS)	MANUAL START (KMS)
2	2

FIG. 2K
START CIRCUIT

TO SECOND CONTROL RACK WHEN REQD.

CO — SC — CS — SB2 — KA4 — SA2

CO3 - SC2 (R-B) : CO23 - SC22 (R-B)
CO6 - SC5 (R-O) : CO26 - SC25 (R-O)
CO9 - SC8 (R-G) : CO29 - SC28 (R-G)

SC1 — C01

FIG. 2D
1 FIG. 2D PER 6 CONTROL UNISELRS.

FIG. 2G
1 FIG. 2G PER 6 CONTROL UNISELRS.

FIG. 1C
METER

COLOUR ※ — JACK B.P.O. NO. 24 — BATT. BK. 0.7mm FUSE — METER TAGS ETC.

※ A,C & E 1-10 R-O; A,C & E 11-20 R-G; B,D & F 1-10 R-BN; B,D & F 11-20 R-S

PROOF

AUTOMATIC EXCHANGES
AUTOMATIC TRAFFIC RECORDER
2000 TYPE

50V — SLOW RELEASE — SLOW OPERATE

ISS	DATE	DEL	DR	ORDER	CK	APP	CHANGE
3	4.8.80	A.G	DRC	11180			REMARK NOW 2 SHEETS
3A	31.1.72			2072			
4	15.6.63			70919	PSH	PSH	REVISED TO NEW REMARK WORK 40959
5							REVISED TO SUIT AMENDED RACKS. DEL. NOTE 1 (LABEL)
6							FIGS. CONNS REVISED
7							FIG. 2K ADDED
8							WORK & ADD NOTE 13

NZPO — SIZE A1 — 2 OF 2 — GBW 11030

TCD A.G — DRN T.EQPT — CKD — APPD — STANDARD ATW 22001 — ORIGIN T.EQPT

"ER-IN-CHIEF, WELLINGTON.

UD 237

FIG. 1A
CONTROL EQUIPMENT
1 PER CONTROL UNISELECTOR

FIG. 3
I. D. F
NOTE 11

FIG. 1B
ACCESS EQUIPMENT
1 PER ACCESS UNISELECTOR (NOTE 10)

JACK B.P.O NO 24

N1/24 R-O
N1/1 R-O
U LINKS (NOTE 1.8)

CN3 R-B-O
DB3 ETC
D3 LOCAL MULT TW1
TW1 R-O

N2/24 R-G
N2/1 R-G
CN4 R-B-G
DB4 ETC
D4 TW2 R-G

N3/24 R-BN
N3/1 R-BN
CN5 R-B-BN
DB5 ETC
D5 TW3 R-BN

T1/2 T1 T1/25 R-O
T2/1 T2 T2/25 R-G
T3/2 T3 T3/25 R-BN
T4/1 T4 T4/25 R-S
T5/2 T5 T5/25 R-B-W
T6/1 T6 T6/25 R-B-O

JUMPER FIELD.

TERMINAL ON TRAFFIC RECORDER TERMINAL STRIP ON SELECTOR OR RELAY SET RACK OR I.D.F. MULT. OR I.D.F. LOCAL.

FIG. 1D
TRAFFIC RECORDING CONNECTIONS

WIRED AS FIG 1D.

(L) A4 — TO DC, DE, ETC RELAYS VIA ASSOCD. "KC" KEY.

(FUSED WITH FIG. 2A)
2000 Ω R-B-W
DB, DD ETC. 5
(K) A5 — KC3

FIG. 1E
1 PER CONTROL RACK

AR R-S
CN1
KC1
DB2 ETC
D2 TW4 R-S
(J) AG
(H) AG
CN1
(G) AG R-BK

T7 T8

FIG. 1F
FOR SWITCHES HELD DURING CONVERSATION (NOTE 10)

FIG. 1G
FOR COMMON APPARATUS (NOTE 10)

1ST CONTROL RACK — 2ND CONTROL RACK

R-BN
YEI — KC21(1ST.CCT)-KC21(2NDC.CT)ETC.
R-BN (TERML. B(1)-B(2)ETC.
R-BN
TERML. B ETC.-KC21 (1ST.CCT. ETC.

(F) A7 B
(E) A7 S
BN 4A R-O
KC23-CNdm-CNdm1-QAd
TO SECOND CONTROL RACK WHEN REQD.

CN CN CN CN R-B-BN
CN CN CN CN R-B-G
TO 'CN' OR 'S' TERMINALS AS REQUIRED NOTES 7 & 13

KC2 QA C 200
CN25 5
CNdm R-G-W
CNb

1KAC

R-G 1B TO DM(1B)
R-S 2B TO DM(2B)
R-BN 2A TO DM(2A) DM(1A)
R-O 1A
R-B-W 3A TO DM(3A)
R-B-O 3B TO DM(3B)

SC3 & 23 B-W 1B
SC6 & 26 O-W 2B
SC9 & 29 G-W 3B
SC1 & 21 B 1A
SC4 & 24 O 2A
SC7 & 27 G 3A
C01 & 21 R-B-G
C04 & 24 R-B-BN
C07 & 27 R-B-S
C02 & 22 R-BN
C05 & 25 R-S
C08 & 28 R-B-W

(D) A8
(C) A8
(B) A9
(M) A5

NOTE 7.

FIG. 1H
1 PER CONTROL UNISELR.
ACCESS(KAC) UNSEL.CONN. ACCESS(KAC) UNSEL.CONN.
2 + 2

CO CO DM DM NOTE 12
TERM DM, QAa-Tdma-Tdm R-O
T50 4+4

CN2 R-B-S
DB1 ETC.
2 pb 1

A9 (A) TERML. CN-CS2-CN2/1-KC22
CS2 & 22 R-B-O
CS4 & 24 R-B-G
CS6 & 26 R-B-BN

CONTROL(KC) 3

BATT. BK. 0.7mm FUSE ___ CNdme
EARTH R. 0.7mm ETH. BAR ___ QAd CNb1 AR2 FIG. 1E

Tdm W T(1A)50 4+4
TERM DM(1A)-QAa-Tdma-Tdm1 R-O
200 QA

FIG. 1J
FOR SWITCHES HELD DURING CONVERSATION. (NOTE 10)

BATT. BK. 0.7mm FUSE ___ Tdme
EARTH R. 0.7mm ETH. BAR ___ Qad-Tb1

FIG. 1K
FOR COMMON APPARATUS (NOTE 10)

Tb

BATT. BK 0.7mm FUSE ___ Tdme
EARTH R 0.7mm ETH. BAR ___ QA Tb1

FOR NOTES SEE SHEET 1.

PROOF

AUTOMATIC EXCHANGES
AUTOMATIC TRAFFIC RECORDER
2000 TYPE

50V E
SLOW RELEASE
SLOW OPERATE

ISS	DATE	DEL	DC	ORDER(CK)	APP	CHANGE
7A	6.8.80	A.G.	MAC	TIPO		BSTF & ADDED

DRN T. EQPT
TCD A.G
APPD
ORIGIN T. EQPT.
CKD
STANDARD ATW E2001

NZPO ENGINEER-IN-CHIEF, WELLINGTON.

SHT 2 OF 2
E A1
GBW 11030

0 5 Centimetres 10 15 20 25 30 35 40 45 50 55 60