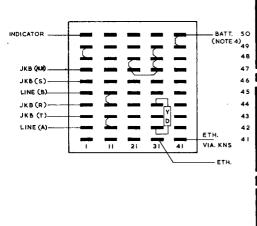
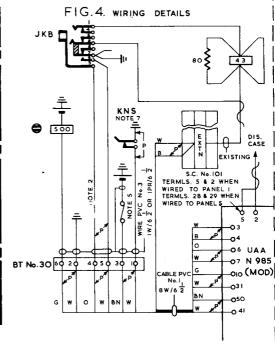


FIG. 3. CONNEXIONS ON STRIP CONNEXION
No. 121A IN UAA N985 WHEN WIRED
TO PANEL I.





# TERMINATION OF PRIVATE CIRCUIT OR LONG EXTENSION (NOTE 1) SWITCHBOARD CB 873 SIGNALLING GROUP G. SCHEDULES

CIRCULATION GENERAL

SUFFIX

AMENDT,

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N718

6 PANELS -3 5 - 4 - 57

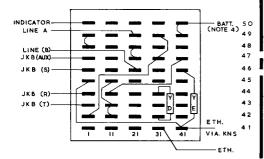
#### WIRING

### APPARATUS

	FOR PAN	ELS   AND 5
RECOVER (NOTE 8)	SHIFT	PROVIDE
STRAP JKB (2) & (6) WIRE JKB (7) + KNS (NOTE 7) WIRE XA - KNS WIRE XA - KNS WIRE XA - KNS WIRES (IN UAA) - LD 24 - Cb. SR 2 - LD 21 - Re.	WIRES FROM JKB (4) TO JKB (7). REVERSE WIRES ON LR22 & LR23.	BT No. 30 ADJACENT TO S.C. No. 101 IN SWBD FUSE MTG. No. 136 A. (NOTE 5.).  WIRE FROM MAIN BATTERY CONNEXION ON EXISTING FUSE MTG. IN SWBD. TO FUSE MTG. No. 136 A.  WIRE SHORT CIRCUIT ACROSS A RELAY. WIRES FROM BT No. 30 TERMINALS AS FOLLOWS.  (1) TO KNS. BREAK SPRING.  (2) TO EARTH BUS BAR SPARE TERML.  (3) TO FUSE MTG. No. 136 A.  (4) TO JKB (8).  (5) TO INDICATOR.  WIRE KNS. SPRING TO EARTH BUS BAR SPARE TERML.  CALLE FROM S.C. & B.T. TO UAA. AS SHOWN WIRES IN UAA.  WIRES IN UAA.  LR 21 – LD23. LD21 – Cb. LD24 – SR25.  SR 2 – Ra.  RESISTOR YD (NOTE 2) ACROSS SC. TAGS 15TRAPS ON S.C. AS SHOWN IN FIG. 3 OR FIG. 5.
	ADDITIONAL F	OR PANEL 5
WIRE RI-TRA (4). WIRE R4-TRA (7).		RELAY LG IN SPACE FOR LL RELAY COENTRE RELAY POSITION AT LEFT END.) AND CONNECT BY EXISTING WIRING TO TAGS 46,47 AND TO BATTERY COMMON AS SHOWN IN FIG. 6.  WIRE FROM RI TO LG 2, OF S.C. RESISTOR YE BETWEEN TAGS 41 & 46 OF S.C.

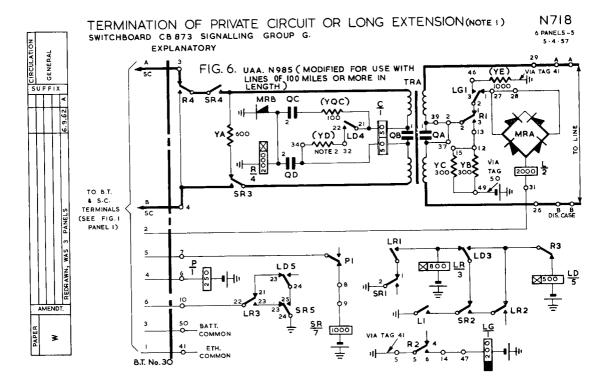
FOR FIG5 2 & 6
UAA. N985. FUSE MTG. No.136A. FUSE NO. 36/1 B.T. No. 30 RESISTOR CARBON No.15 GD-15k A (SEE NOTE 2)
ADDITIONAL ITEMS FOR FIG. 6
RELAY No. 4460. RESISTOR CARBON No. 15 GD - 1k.A.

FIG. 5. CONNEXIONS ON STRIP CONNEXION
No. 121A IN UAA. N985 WHEN WIRED
TO PANEL 5.



#### INSTALLATION NOTES

- . EXTENSION CIRCUITS WHICH EXCEED THE LOOP SIGNALING LIMIT MAY BE TERMINATED TO N 7:8 WITH
  SUITABLE EQUIPMENT AT DISTANT END, BUT WITH LOSS OF
  DIALLING AND EXCHANGE NIGHT SERVICE FACILITIES,
  PROVIDING TRANSMISSION REQUIRMENTS ARE SATISFIED.
  E.I. TRANSM. TELE. B 3534 GIVES TRANSMISSION AND
  LOOP SIGNALLING LIMITS OF SWITCHBOARD (SEE NOTE 10).
- 2. WHEN N718 IS USED AS A PRIVATE CIRCUIT TERMINATION RESISTOR YD SHOULD BE PROVIDED. WHEN USED AS A PRIVATE CIRCUIT TERMINATION WITH OMISSION OF PROPHIBITION, OR AS AN EXTENSION TERMINATION (SEE NOTE 1) RESISTOR YD SHOULD BE OMITTED, TAGS 32 & 34 STRAPPED AND CONNEXION JKB (3) TO BT No. 30 (4) OMITTED.
- 3. SEE N 705 TABLE 3 FOR SIGNALLING RESISTANCE LIMITS WITH VARIOUS VOLTAGES.
- 4. WHERE NECESSARY, ADDITIONAL CELLS (SERVING I TO 4 UNITS WITH COMMON FUSE, NOTE 5) MAY BE CONNECTED IN PLACE OF STRAP BETWEEN UAA TAGS 49 & 50.
- 5. BATTERY SUPPLY TO UAA. TO BE MADE VIA A FUSE No. 36/1
  FITTED ON A FUSE MTG. No. 136A, SCREWED TO THE
  WOODWORK IN SWITCHBOARD, ABOVE EXISTING FUSE
  MTG. THE FUSE TO SUPPLY 1 TO 4 UNITS.
- 6. THE EARTHED LEAL FPOM THE RINGING SOURCE MUST BE CONNECTED TO THE ...P" SIDE OF KR & KDR (N930 FIG.8) THE HAND GENERATOR MUST BE EARTHED ACCORDINGLY.
- 7. KNS CONTACT UNIT No. HAS THE SAME No. AS SELECTED EXTN...
- 8. RECOVERED WIRES TO BE INSULATED AND TIED BACK.
- 9. A LABEL, WHITE No. 398A MARKED MOD. TO DGM. N718, FIG....
  (INSERT 2" OR 6" AS APROPRIATE), TO BE FIRMLY AFFIXED TO UAA...
- IO FOR LINES UNDER IOO MILES, USE FIG. 2, AND FOR LINES OF 100 MILES OR MORE, USE FIG. 6.



6 PANELS - 6

#### CIRCUIT OPERATION NOTES

THESE NOTES REFER TO PANEL 1, FIGS.1 & 2, EXCEPT WHERE STATED.
FOR A DESCRIPTION OF SIGNALLING GROUP G, SEE E.I. TELE'S.
PBX'1. B 3101 & 3102.

INCOMING CALL L OPERATES AND HOLDS TO BALANCED BATTERY ON THE LINE, LI OPS. LR WHICH HOLDS TO LRI. LR3 OPS. INDICATOR. SR OPS WHEN OPERATOR INSERTS PLUG. SR3 & 4 COMPLETE SPEAKING CIRCUIT. SR2 RELEASES LR AND OPERATES LD. INDICATOR RESTORES.

OUTGOING CALL SR OPS WHEN OPERATOR INSERTS PLUG. INDICATOR OPS. TO SES OPTD, LDS & LR3 NORMAL S. SR 3 & 4. FINDICATOR OPS. TO SES OPTD, LDS & LR3 NORMATOR OPS. TO SES OPTD, LDS & LR3 NORMATOR OPERATOR OF SES OPERATOR OF SE

## CLEARDOWN FROM ESTABLISHED CONNEXION (RELAYS OPERATED, SR. LD).

(a) OPERATOR CLEARS FIRST UPON RECEIVING A CLEAR HAVING CHALLENGED ON THE CLIRCUIT OPERATOR REMOVES CORD CROUT OPERATOR REMOVES CORD CROUT OPERATOR REMOVES CORD CROUT OPERATOR REMOVES CORD CROUT OPERATOR REMOVES CORD CRO

(b) DISTANT EXTN. CLEARS FIRST L RELEASES TO REMOVAL LI RELEASES LD. INDICATOR OPS TO EARTH VIA SET OPTO, LOS AND LR3 NORMAL. OPERATOR CHALLENGES ON CIRCUIT THEN REMOVES PLUG. SR RELEASES, INDICATOR RESTORES.

PROMIBITION WITH CIRCUITS WHERE PROHIBITION OF EXCHANGE CONNEXION HAS BEEN PROVIDED, PELAY WILL OPERATE IF SUCH A CONNEXION IS ATTEMPTED. PI RELEASES SR. SR3 & 4 DISCONNECT SPEAKING CIRCUIT.

GUARD CIRCUIT WHERE LINES OF 100 MILES OR MORE ARE RELAY WILL OPERATE TO DISCHARGE OF THE LINE CAPACITANCE AFTER A SIGNAL HAS BEEN SENT, 15, JPON RELEASE OF RELAY. LG RELAY THE LINE CAPACITANCE HROUGH THE STORM THE LINE CAPACITANCE HROUGH THE STORM THE STO

CONTACT WETTING RESISTOR YD IS PROVIDED SO THAT A FLOWS FROM CORD CIRCUIT DURING A CALL THROUGH CONTACTS RAY, STALL 105 & SAL TO PROVENIT TRANSMISSION LEGISTED WHERE PROMIBITION IS OBMITTED THIS RESISTOR IS REPLACED BY A STRAP, IN ORDER TO PROVIDE A HOLDING LOOP TO EXCHANGE,