

SD-68340-01  
DECODER CIRCUIT

DESIG.	FUNCTIONAL MEANING	DESIG.	FUNCTIONAL MEANING	DESIG.	FUNCTIONAL MEANING	DESIG.	FUNCTIONAL MEANING
3D	3 DIGIT SIGNAL FROM SENDER	CCTN	NO CODE CONVERSION TENS	GO-3	SUBGROUP CHAIN TEST RELAYS	ROO-99	ROUTE RELAYS
3DB	3 DIGIT CARD GROUP	CCU $\frac{2}{5}$	CODE CONVERSION UNITS	GB	ALL SUBGROUPS BUSY	R6D, R6D1	6D CARD
5BD	NO. 5 BOARD SIGNAL FROM SENDER	CCUN	NO CODE CONVERSION UNITS	GPL	SUBGROUP LOCK	RA, RA1-3	ROUTE ADVANCE
6D	6 DIGIT SIGNAL FROM SENDER	CDC $\frac{2}{5}$	CONTINUITY AND DIGIT CONTROL	HB	HOME BOX - 6 DIGIT TRANSLATION IN HOME BOX	RAMB	ROUTE ADVANCE TO MASTER BUSY
6DA	6 DIGITS AVAILABLE IN SENDER	CFM	CARD FAILURE MEMORY	HBA	HOME BOX AUXILIARY	RARO	ROUTE ADVANCE TO REORDER
6DB	6 DIGIT CARD GROUP	CFR, CFR1, 2	CARD FAILURE RECORDING	HBI	HOME BOX INDICATED	RAV0-5	ROUTE ADVANCE TO SUCCEEDING GROUND SUPPLY
6DT	6 DIGIT TRANSLATION	CI0-5	GROUND SUPPLY CUT-IN RELAYS	HC1-16	HOME CONNECTOR CUT-IN	RAV0'-5'	ROUTE ADVANCE TO SUCCEEDING GROUND SUPPLY
AC	AREA CODE	CK1-3	INTEGRITY CHECK SENDER-DECODER LEADS	HE	HOME EMERGENCY	RB0-5	ROUTE BUSY
AFA	ALTERNATE, FOREIGN AREA	CKG, CKG1, 2	DECODER OFF-NORMAL GROUND SUPPLY AND START CIRCUIT	HTK	HOME TRANSLATOR CHECK	RC, RC1, 2	TROUBLE RECORDER CUT-IN
AHA	ALTERNATE, HOME AREA	CO	CUT-OFF TRUNK SUBGROUP TEST	HTR	HOME TRANSLATOR CONNECTOR	RCA, RCA1	RESTORE CARD AND ADVANCE
ARB	ALTERNATE ROUTE CARD GROUP	CR	CARD OPERATED INDICATION	HVC	HOLD CARD ON VACANT CODE ROUTING	RCC	BATTERY SUPPLY FOR ALTERNATE BATTERY PATTERN RELAYS
ARS	ALTERNATE ROUTE SELECTED	CR0-4	'CARD TO RELAY' ROUTE RELAY TENS (00-49)	IT	INTERTOLL MARKER	RCD	RESTORE CARD AND DISCONNECT
ARST	ALTERNATE ROUTE START	CR5-9	'CARD TO RELAY' ROUTE RELAY TENS (50-99)	IT1, 2	INTERTOLL MARKER AUXILIARIES	RCRR	RESTORE CARD - 'RELAY TO RELAY'
ART $\frac{2}{5}$	ALTERNATE ROUTE TENS	CRA	CR RELAY AUXILIARY	ITC	INTERTOLL OR TOLL COMPLETING MARKER	REC	RECORDING SIGNAL FROM TROUBLE RECORDER
ARU $\frac{2}{5}$	ALTERNATE ROUTE UNITS	CRK	CROSS RELAY CHECK	MBU $\frac{2}{5}$	BOX NUMBER MERCURY UNITS	RHC	RESTORE HOME CONNECTOR
ATB	ALL TRUNKS BUSY	CRP	'CARD TO RELAY' PREFERENCE	MCCH	MATCH CODE CONVERSION HUNDREDS	RI	BATTERY SUPPLY FOR ROUTING INSTRUCTION RELAYS
BD	BUSY DECODER	DA1-3	DECODER PREFERENCE CHAIN ALARM	MCCT	MATCH CODE CONVERSION TENS	RI $\frac{2}{5}$	ROUTING INSTRUCTION
BNA-C	BOX NUMBER START (0-9) LEADS	DBS, DBS1-4	DUPLICATE BOX SHIFT	MCCU	MATCH CODE CONVERSION UNITS	RIH	ROUTING INSTRUCTION HOLD
BND-F	BOX NUMBER START (10-19) LEADS	DCB, DCB1, 2	DISCONNECT CODE BARS	*MD	MARKER DELAY TIMING	RLS	RELEASE OF SUBGROUP CI-RELAY
BTO, 1	BOX TENS NUMBER	DCBA	DCB AUXILIARY	MD1	MARKER DELAY TIMING AUXILIARY	RLT	RELEASE AFTER TRANSLATION
BU $\frac{2}{5}$	BOX UNITS NUMBER	DFB	DECODER FOREIGN BOX	ME	MARKER ENGAGED	RO	REORDER SIGNAL
BU $\frac{2}{5}$	BOX UNITS WORKS RELAYS	DFE	DECODER FOREIGN EMERGENCY	MKR	BATTERY SUPPLY - MARKER SELECTION RELAYS	ROIT	REORDER 'IT'
CA	COME AGAIN BATTERY SUPPLY	DFTR	DECODER FOREIGN TRANSLATOR CONNECTOR	NAC	NO AREA CODE	ROMB	REORDER OR MASTER BUSY
CA4-6	COME AGAIN 4, 5 OR 6 DIGITS	DL	DISPLAY LOST	NC	NO CARD DROPPED	ROTC	REORDER 'TC'
CAH	COME AGAIN HOLD	DRL	DECODER RELEASE	NCA	NO COME AGAIN	RPRO	RECORD OVERLOAD ANNOUNCEMENT
CAK	COME AGAIN CHECK	FAT	FOREIGN AREA TRANSLATOR BATTERY SUPPLY	NCT, NCT1	NO CARD TIMING	RR	'RELAY TO RELAY'
CB	CONNECTOR BUSY RELAY	FATH	FOREIGN AREA TRANSLATOR HOLD	NPCR	NO PRINCIPAL CITY ROUTE	RR0-4	'RELAY TO RELAY' ROUTE RELAY SELECTION (00-49)
CBR-W	CONNECTOR BUSY RELAYS	FC2-15	DECODER FOREIGN CONNECTOR RELAYS	NRO	NO REORDER SIGNAL	RR5-9	'RELAY TO RELAY' ROUTE RELAY SELECTION (50-99)
CBR1-W1	CONNECTOR BUSY RELAYS	FMB	FOLLOW WITH MASTER BUSY	NSK	NO SKIP SIGNAL TO MARKER	RRA	RR RELAY AUXILIARY
CBR2-W2	CONNECTOR BUSY RELAYS	FNT	FOREIGN TRANSLATION NO TEST FEATURE	NVO	NO NVO CODE BAR OPERATED	RRP	'RELAY TO RELAY' PREFERENCE
CC	CARD TO CARD	FOF	FOLLOW WITH OVERFLOW	OAT, OAT1	OVER-ALL TIMING	RSR	RECORD SENDER REORDERS
CCA	CODE CONNECTOR ALTERNATE	FRO	FOLLOW WITH REORDER	OC, OC1-10	OUTPUT CONTROL	RT, RT1	TROUBLE RECORD AND TEST RELAYS
CCH $\frac{2}{5}$	CODE CONVERSION HUNDREDS	FST	FOLLOW WITH SECOND TRIAL	OCT	OUTPUT CHANNEL TEST	RTRF	ROUTE TRANSFER OPERATION
CCHN	NO CODE CONVERSION HUNDREDS	*FTD	FOREIGN AREA DELAY TIMING	OF CR	OVERFLOW TRAFFIC REGISTER CONTROL - CARD TO RELAY OPERATION	RYT, RYT1	RECYCLE WORK TIME
CC1-5	CODE CUT-IN RELAYS	FTD1	FOREIGN AREA DELAY TIMING AUXILIARY	ORF	OVER REGISTRATION FAILURE	SDT, SDT1	DECODER OPERATION ON SENDER TEST
CCM	CODE CONVERSION BATTERY SUPPLY			OGT	OUTGOING TRUNK TEST	SMC, SMC1, 2	INCOMING TRUNK ON 'TC' TRAIN
CCT $\frac{2}{5}$	CODE CONVERSION TENS			PCR, PCR1-4	PRINCIPAL CITY ROUTING	SMCO	'SM' LEAD CUT-OFF
				PF	PREFERENCE - CONNECTOR	SMI, SMI1, 2	INCOMING TRUNK ON 'IT' TRAIN
				PRO	OVERLOAD ANNOUNCEMENT SIGNAL FROM SENDER	SS	STUCK SENDER REQUEST
						STI	START TROUBLE RECORDER
						SWT	START WORK TIME
						SWT1	WORK TIME ELAPSED

\*RELAY AND TUBE

FUNCTIONAL DESIGNATIONS  
SD-68340-01, ISSUE 8

RM 2-9 2 SHEETS, SHEET 1 NO. 4A OR 4M TOLL

ORDER AS BSP ITEM MP-11660

BELL TELEPHONE LABORATORIES, INC.

PRINTED IN U.S.A.

ISSUE 2/2/53 DATE 12-31-53

MP-11660 2 SHEETS, SHEET 1

ISSUE 2/2/52  
DATE 12-31-52

SD-68340-01

DECODER CIRCUIT (CONT.)

<u>DESIG.</u>	<u>FUNCTIONAL MEANING</u>
TAL	TIME ALARM
TB $\frac{2}{5}$	TRUNK BLOCK
*TBD	TRUNK BLOCK DELAY TIMING
TBD1	TRUNK BLOCK DELAY TIMING AUXILIARY
TBY, TBY1	FOREIGN AREA TRANSLATOR PLUGGED BUSY
TC, TC1, 2	TOLL COMPLETING MARKER
TCD1, 2	TRANSFER CODE DIGITS
TCF	TRUNK BLOCK CONNECTOR FAILURE
TCK	TRANSLATOR CONNECTOR-CHECK
TCT0-2	TRUNK BLOCK CONNECTOR TENS
TCU $\frac{2}{5}$	TRUNK BLOCK CONNECTOR UNITS
TGS	'G' LEADS TRANSFER RELAY FOR TROUBLE RECORDER TEST
TID, TID1	TRANSLATOR IDLE INDICATION
TKS	TRUNK SELECTED
TPC	THROUGH TRAFFIC PEG COUNT
TR, TR1	TROUBLE RECORDER CONTROL
TR1A	DECODER INDICATES FIRST TRIAL
TR2A, B, C	DECODER INDICATES SECOND TRIAL
TRA	TROUBLE RECORDER TIME-OUT ALARM
TRB, TRB1	TROUBLE RECORDER BUSY OR COMPLETION
TRL	TROUBLE RELEASE
*TRT	TROUBLE RECORDER TIMING
TRT1	TROUBLE RECORDER TIMING AUXILIARY
TS0-2	TRAFFIC SEPARATION PEG COUNT (Outgoing trunk group)
TSA-C	TRAFFIC SEPARATION PEG COUNT (Incoming trunk group)
TSG1-4	TRAFFIC SEPARATION PEG COUNT CONTROL
TST, TST1	TROUBLE RECORDER TEST CALL
VCR1, 2	VACANT CODE ROUTING
VO	'VO' CODE BAR OPERATED
WT(Tube)	WORK TIMING
X6DT	CROSS CHECK ON '6DT' LEAD
XCA	CROSS CHECK ON 'CA' LEADS
XCF	CROSS CHECK ON 'CF' LEAD
XCO	CROSS CHECK CUT-OFF RELAY FOR 'XDRL' AND 'XCA'
XDRL	CROSS CHECK ON 'DRL' LEAD
XIK	CROSS CHECK INTEGRITY OF '5BD' 'CFM', 'PF', 'TSA', 'TSB' AND 'TSC' LEADS

<u>DESIG.</u>	<u>FUNCTIONAL MEANING</u>
XREC	CROSS CHECK ON 'REC' LEAD
XRLT	CROSS CHECK ON 'RLT' LEAD
XTRB	CROSS CHECK ON 'TRB' LEAD
XTRL	CROSS CHECK ON 'TRL' LEAD

\*RELAY AND TUBE