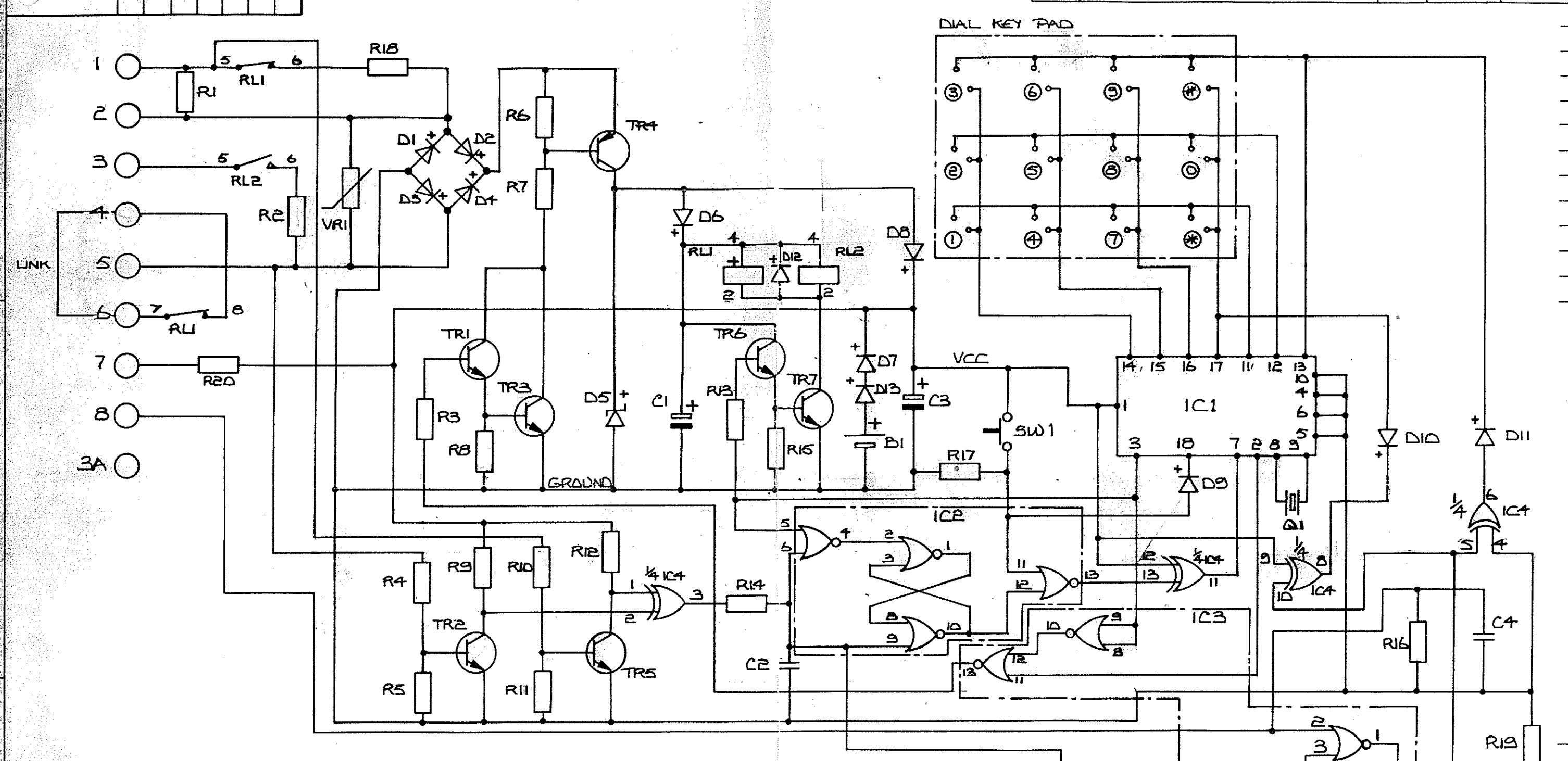


DRG.No.	1	0	3	8	8	ISS. No.	D	SHE 1 OF 2	PROJECTION: FIRST / THIRD ANGLE	ITEM No.	DESCRIPTION	No. REQD.	PART No.	DRG. No.
										1				



D	ADDITION OF DIODE D13 (N509)	21.11.85	JT						
C	MOD. TO RESISTOR VALUE	11.1.81	JT						
B	PRODUCTION ISSUE	11.8.83	JT						
A	~	10.12.88	JT						
C	ISS.	REVISION	DATE	INT.					
VCC ~ CONNECT TO PIN 14 OF IC2, IC3 & IC4									
GROUND ~ CONNECT TO PIN 7 OF IC2, IC3, & IC4									
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REMOVE BURRS AND SHARP EDGES ALL DIMENSIONS ARE IN MM (INCHES)									
USED ON					BILL OF MAT.				
MATERIAL					CIRCUIT DIAGRAM for AUTODIAL 402B				
FINISH					A3				
THIS DRG. WILL NOT BE KEPT UP TO DATE					METRIC TOLERANCES UNSPECIFIED ± 0.1 Dim. to 2 dec. places ± 0.4 Dim. to 1 dec. place ± 2° Angular				
DRAWN <i>Phyda</i> CHECKED <i>RST</i> APPROVED <i>RST</i> SCALE ~					DRG.No. 1 0 3 8 8 ISS. No. D				
© A. P. BESSON ST. JOSEPH'S CLOSE, HOVE, SUSSEX, BN3 7EZ, ENGLAND TELEPHONE BRIGHTON 722651									

1										2										3										4																																																	
DRG.No.										ISS. No.										PROJECTION: FIRST / THIRD ANGLE										ITEM No.										DESCRIPTION										No. REQD.										PART No.										DRG. No.									
10388										D										SHT. 2 OF 2										R1, R4, R10 RESISTOR 5FR25 1/4W										10MΩ										±5%																													
																														R2																				100Ω																													
																														R3, R5, R11																				180K																													
																														R6, R16																				10K																													
																														R7																				1K2																													
																														R8, R15,																				100K																													
																														R9, R12, R17, R14, R19																				1MΩ																													
																														R13																				470K																													
																														D1-D4, D6-D8, D13 DIODE 1N4004																																																	
																														D5 ZENER DIODE BZX79C 5V6																																																	
																														D9 - D12 DIODE 1N4148																																																	
																														TR1, TR3 TRANSISTOR MPSA 42																																																	
																														TR2, TR5, TR6, TR7 TRANSISTOR BC182B																																																	
																														TR4 - TRANSISTOR MPSA 92																																																	
																														C1 ELECTROLYTIC CAP. 1000μF ±20% 63V																																																	
																														C2, C4, C5 METALISED CAP. 0.1μF ±10% 63V																																																	
																														C3 TANT. CAP. 1μF ±20% 35V																																																	
																														IC1 INTEGRATED CIRCUIT PCD 3321 ~ 18 PIN																																																	
																														IC2, IC3 " " MM74HC02 ~ 14 PIN																																																	
																														IC4 " " MM74HC86 ~ 14 PIN																																																	
																														RL1 RELAY TWO POLE HE22287897 HAMLIN																																																	
																														RL2 RELAY SINGLE POLE HE221A8004 HAMLIN																																																	
																														Q1 CRYSTAL 3.59MHZ																																																	
																														VRI VOLTAGE DEPENDENT RESISTOR																																																	
																														B1 BATTERY SIZE AA LITHIUM WITH SOLDER TAGS																																																	
																														SW1 LICON 309000																																																	
																														R18 RESISTOR 5FR25 1/4W 47Ω ±5%																																																	
																														R20 " " 4K7																																																	

D	ADDITION OF DIODE D13 (N509)	21.11.84	JT
C	R18 47Ω WAS 68Ω	11.1.84	JT
B	PRODUCTION ISSUE	11.8.83	JT
A	~	10.12.82	JT
ISS.	REVISION	DATE	INT.

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THIS DRG. WILL
NOT BE KEPT
UP TO DATE

REMOVE BURRS AND SHARP EDGES
ALL DIMENSIONS ARE IN MM (INCHES)

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A. P. BESSON
ST. JOSEPH'S CLOSE, HOVE, SUSSEX,
BN3 7EZ, ENGLAND
TELEPHONE BRIGHTON 722851

MATERIAL

FINISH

METRIC TOLERANCES
UNSPECIFIED
±0.1 Dim. to 2 dec. places
±0.4 Dim. to 1 dec. place
±2° Angular

DRAWN *[Signature]*
CHECKED *[Signature]*
APPROVED *[Signature]*
SCALE ~
DRG.No. 10388

USED ON
BILL OF MAT.
CIRCUIT DIAGRAM
for
AUTODIAL 402B
ISS. No. D
A3