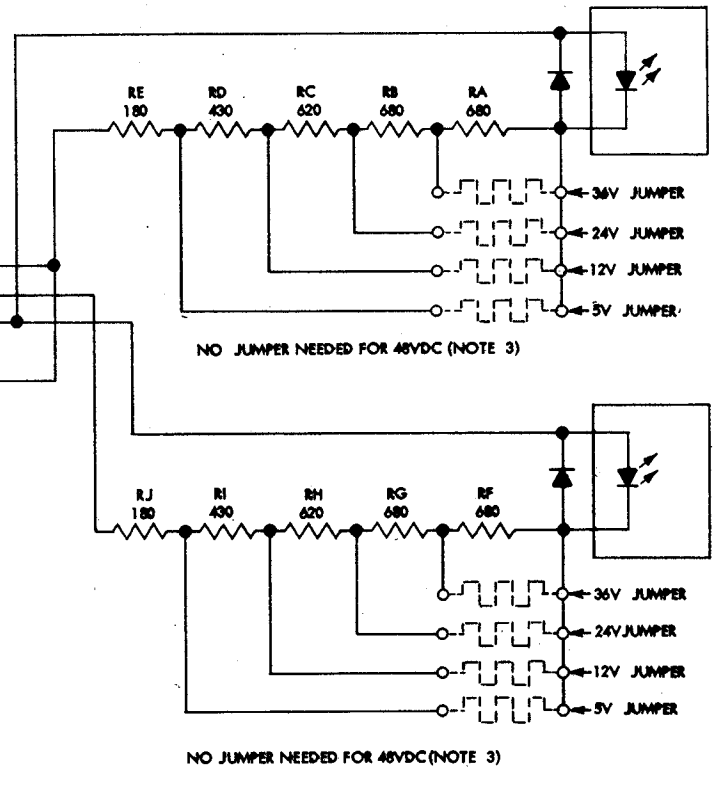
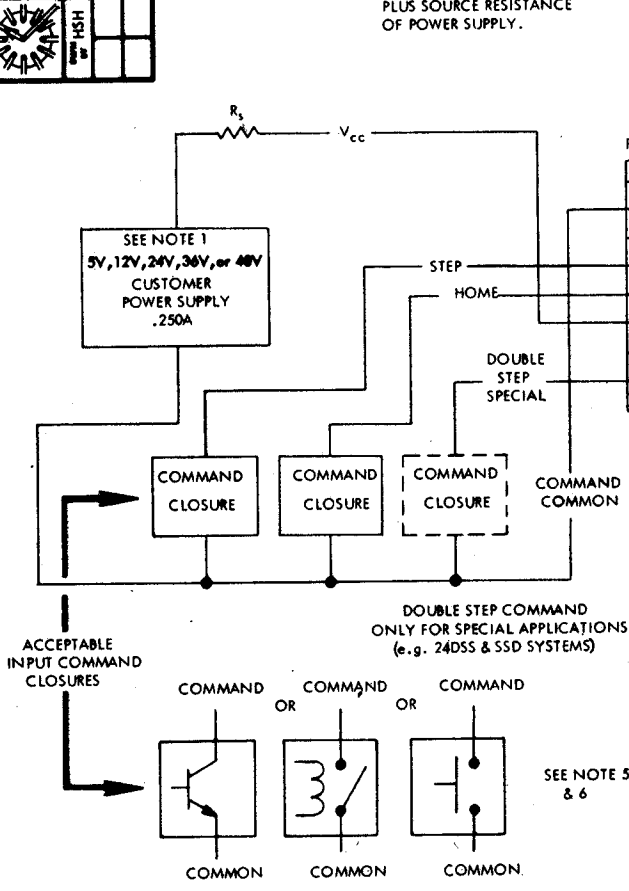


SCANIVALVE CORP.
 INSTRN: I/O INTERFACE MK4
 WITH OPTICAL COUPLERS
 DATE MAY 68 BY SL
 SHEET 1 of 1

- NOTE:**
- SEPARATE CUSTOMER POWER SUPPLIES SHOWN FOR CLARITY. THE SAME POWER SUPPLY CAN BE USED FOR INPUTS AND OUTPUTS. CUSTOMER POWER SUPPLY SHALL BE A REGULATED, COMPUTER GRADE TYPE.
 - ALL CIRCUIT VALUES ARE NOMINAL: K = 1000 ohms. μ F = MICROFARAD. mA = MILLIAMPS. μ A = MICROAMPS.
 - SEE DWG #151302 MAP & SCHEMATIC FOR JUMPER LOCATION.
 - COMMAND CLOSURES MUST NOT BE ON OR CLOSED WHEN POWER IS FIRST APPLIED BETWEEN PINS k & r OF J13. NOMINAL INPUTS = COMMAND PULSE $>$ 5ms.
 - INPUT COMMAND CLOSURES MUST SINK 10mA WITH \leq 0.8 VOLTS ACROSS CONTACT WHEN CLOSED AND MUST BE CAPABLE OF WITHSTANDING CUSTOMER SUPPLY VOLTAGE WITH MAXIMUM LEAKAGE \leq 200 μ A WHEN OPEN.
 - EACH OUTPUT WILL SINK 16mA WITH $V_{ce(sat)} \leq$ 0.8 WHEN TRUE OR ON. RTR(N.C.) = ON AFTER RTR DELAY & BEFORE NEXT COMMAND.
 - CUSTOMER INSERTS THE NPN (FOR +V_{CC}) OR PNP (FOR -V_{CC}) TRANSISTORS SUPPLIED WITH THE INTERFACE BOARD.

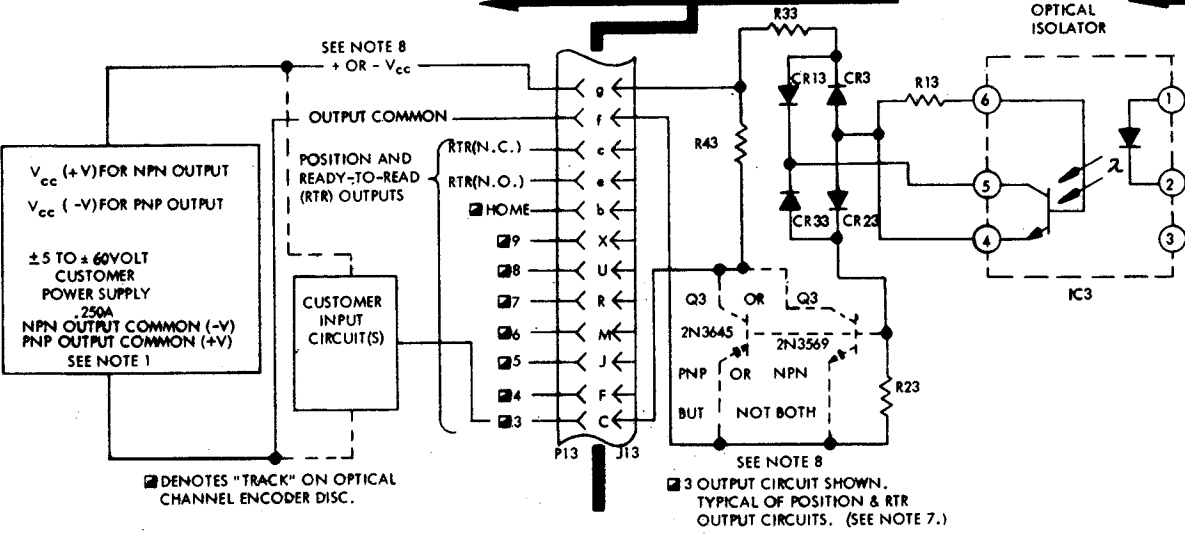
100 OHMS \approx R_s = TOTAL SERIES RESISTANCE. INCLUDES LINE RESISTANCE PLUS SOURCE RESISTANCE OF POWER SUPPLY.



CUSTOMER OUTPUT COMMANDS | SCANIVALVE INPUT CIRCUITS
CUSTOMER INPUTS | SCANIVALVE OUTPUTS

INPUT COMMANDS

OUTPUT INFORMATION



"DS" = DOUBLE STEP
"H" = HOME
"X" = NOT USED

CODE	NO.	WEIGHT								
		1	2	3	4	5	6	7	8	9
48 BINARY		H	X	1	2	4	8	16	32	X
64 BINARY		H	X	1	2	4	8	16	32	64
1248 BCD		H	X	1	2	4	8	10	20	40
122'4 BCD		H	X	1	2	2'	4	10	20	20'
HOME ONLY		H	X	X	X	X	X	X	X	X
DUAL HOME 1248 BCD-48	H/H	1	2	4	8	10	20	40		
DUAL HOME 1248 BCD-48	H/H	1	2	4	8	10	20	40		
DUAL HOME 1248 BCD-48	H/H	1	2	4	8	10	20	40		
24 BINARY	H DS	1	2	4	8	16	X	X		
24 BCD	H DS	1	2	4	8	10	20	X		