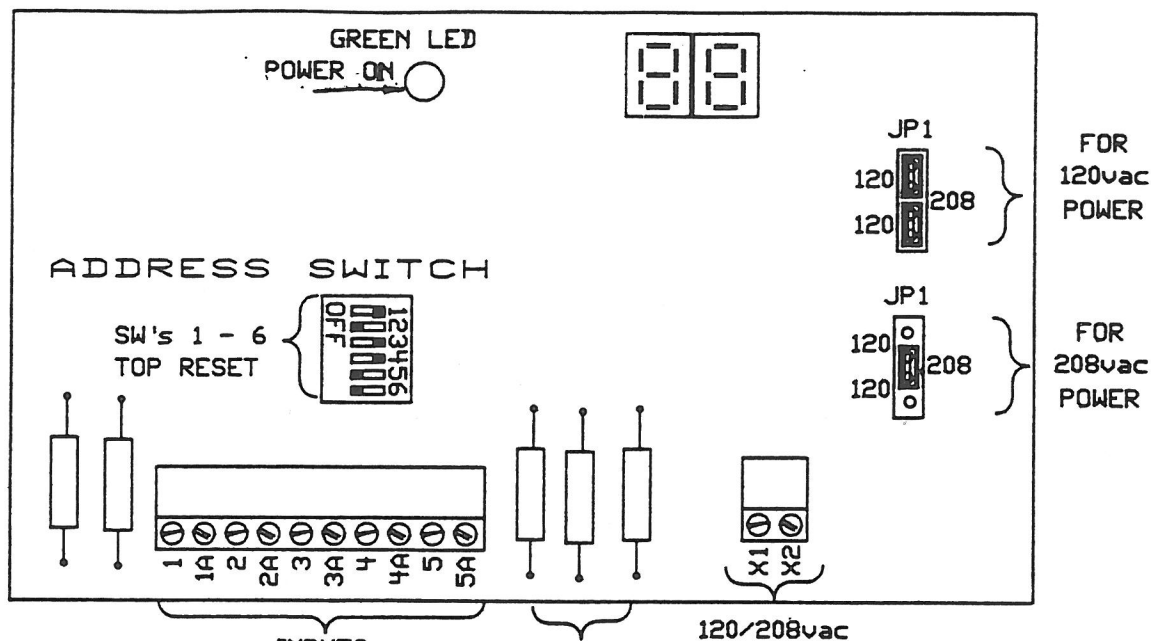


**** ELECTRONIC STEPPER ****

INSTALLATION GUIDE



NOTE ALL INPUTS ARE ISOLATED FROM EACH AND ARE NOT POLARITY SENSITIVE.

INPUT RESISTORS 33k 120V, 68K 240V

INPUTS

- 1 & 1A... DOWN STEP
- 2 & 2A...UP STEP
- 3 & 3A...BOTTOM RESET
- 4 & 4A...MIDDLE RESET
- 5 & 5A...TOP RESET

ADDRESS SWITCH

| SW # | BINARY VALUE | |
|------|--------------|-------------------|
| 1 | 1 | } TOP RESET VALUE |
| 2 | 2 | |
| 3 | 4 | |
| 4 | 8 | |
| 5 | 16 | |
| 5 | 32 | |

EXAMPLE #1
8 FLOORS



EXAMPLE #2
11 FLOORS



EXAMPLE #3
18 FLOORS



NOTE... THE STEPPER DOES NOT NEED TO BE DISASSEMBLED INORDER TO DO THE WIRING. THE TERMINALS ARE ALL PLUGGABLE.

ELECTRONIC STEPPER
LOGIC BOARD VERSION 1.0

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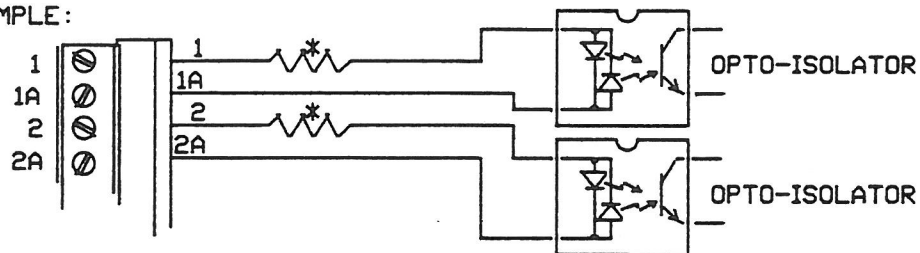


The diagrams show four different jumper configurations on a 32-pin connector:

- Diagram 1:** Jumper in position 1. Label: ADDRESS JUMPER SHOWN IN POSITION 1 TO 8.
- Diagram 2:** Jumper in position 17. Label: ADDRESS JUMPER SHOWN IN POSITION 17 TO 24.
- Diagram 3:** Jumper in position 9. Label: ADDRESS JUMPER SHOWN IN POSITION 9 TO 16.
- Diagram 4:** Jumper in position 25. Label: ADDRESS JUMPER SHOWN IN POSITION 25 TO 32.

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1. WHEN WIRING NEW STEPPER IT IS NOT NECESSARY TO DISASSEMBLE THE BOARDS AS THE TERMINALS ARE REMOVABLE.
2. IF A MISTAKE WAS MADE IN WIRING TO THE WRONG CARD YOU CAN DO ONE OF TWO THINGS: JUST SIMPLY SWAP THE TERMINAL BLOCKS OR CHANGE THE ADDRESS JUMPER.
3. THE INPUTS ARE OPTO-ISOLATED AND ARE NOT COMMON TO EACH OTHER. FOR EXAMPLE:



* INPUT RESISTOR; 68K FOR 240V AND 33K FOR 120V AC OR DC
(RESISTORS MOUNTED ON NEW STEPPER BOARD)

STEPPER CONFIGURATION

POWER SUPPLY JUMPERS SET AT 120VAC 220VAC

INPUT VOLTAGE: _____ V

DIODE-RESISTOR KIT SUPPLIED. YES NO

TYPE OF RELAY OUTPUT. SINGLE DOUBLE

NUMBER OF FLOORS _____

NUMBER OF BANKS _____

ADDRESS SWITCHES #1 & #2

MIDDLE RESET: _____ POSITION

TOP RESET: _____ POSITION

TOP LIMIT: _____ POSITION

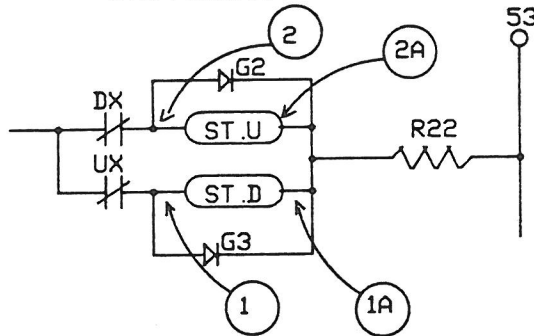
INPUT CARD

| POSITIONS | 1 | TO | 8 |
|-----------|----|-----|-----|
| POSITIONS | TO | --- | --- |
| POSITIONS | TO | --- | --- |
| POSITIONS | TO | --- | --- |
| POSITIONS | TO | --- | --- |

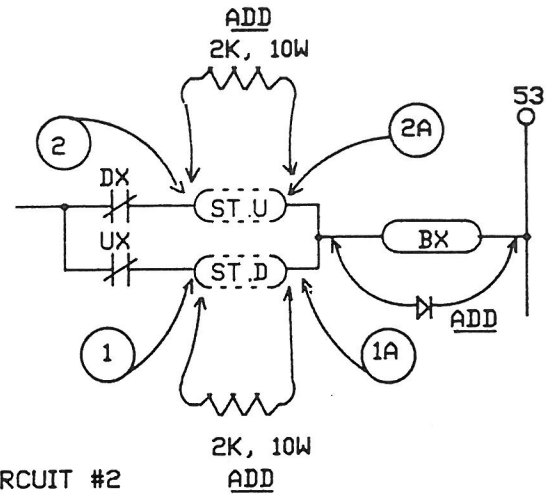
SIDE VIEW OF STEPPER
AND LOCATION OF OUTPUT
BOARDS.

ELECTRONIC STEPPER WIRE INSTRUCTIONS

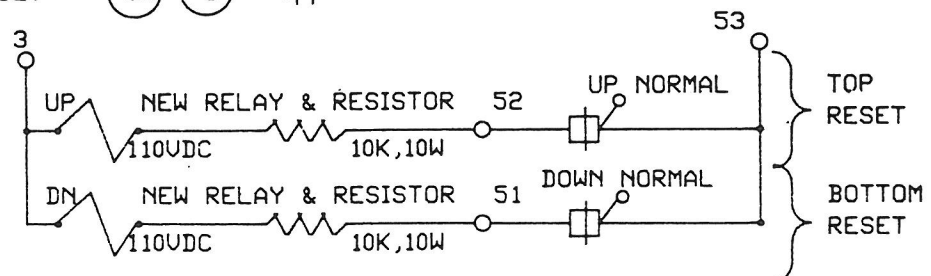
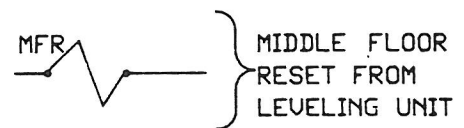
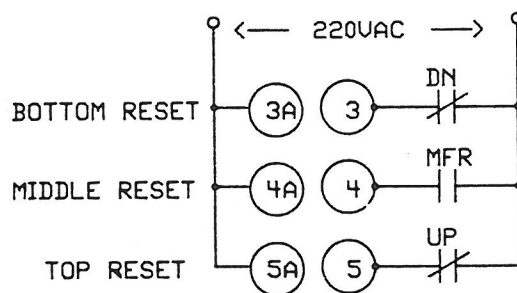
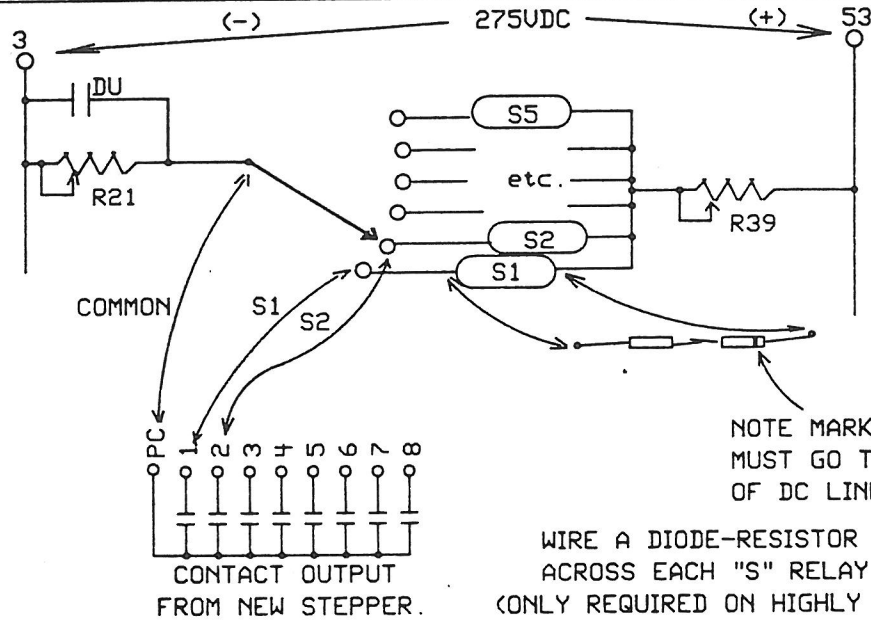
REMOVE OLD STEPPER AND
WIRE "ST.U" WIRES TO (2) AND
(2A) TERMINALS ON THE NEW
STEPPER. REPEAT FOR "ST.D".



CIRCUIT #1



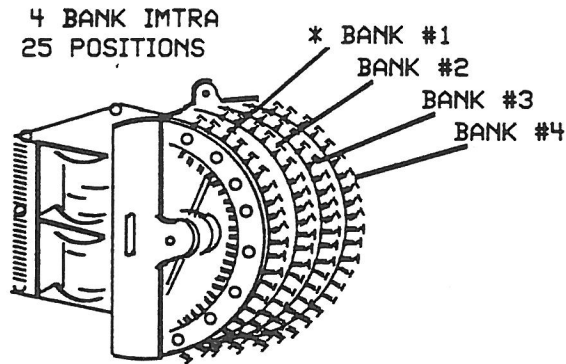
CIRCUIT #2



ELECTRONIC STEPPER WIRING EXAMPLE FOR ARMOR REPLACEMENT.

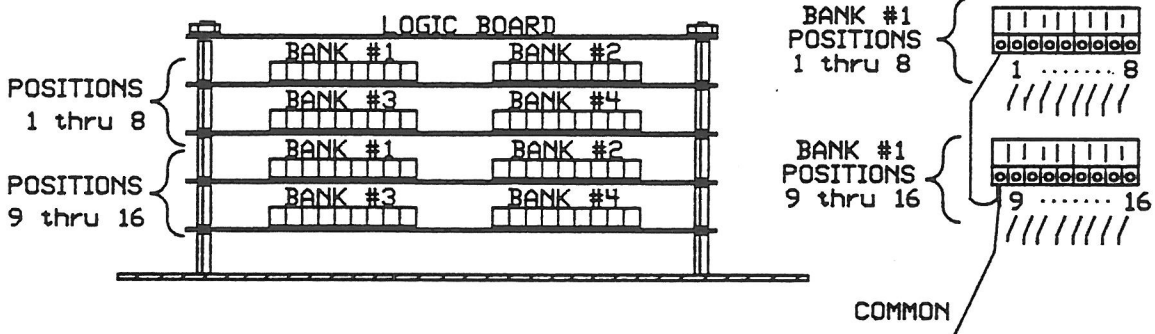
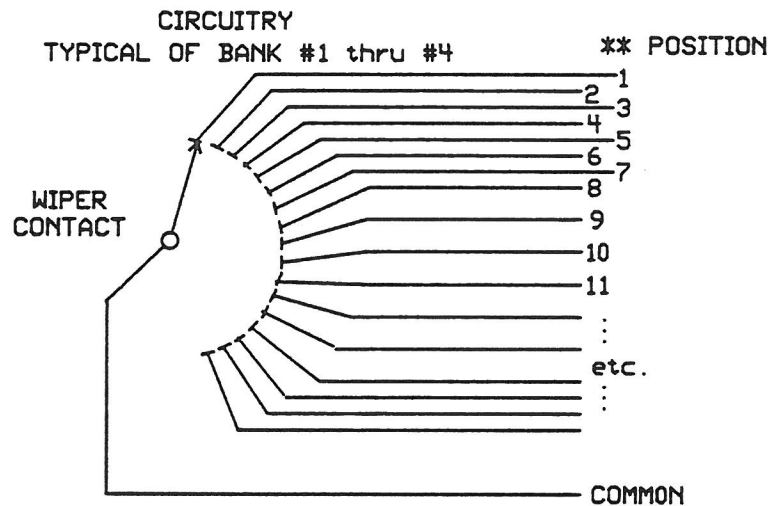
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NOTE:

- * BANK #1 thru #4 IS SHOWN LEFT TO RIGHT, THIS IS ONLY FOR REFERENCE.
- ** POSITON #1 IS SHOWN STARTING AT THE TOP OF THE IMTRA, THIS MAY NOT BE THE CASE FOR YOUR JOB. CHECK THE JOB.



NOTE: TERMINAL BLOCKS MAYBE UNPLUGED TO BE WIRED.

ELECTRONIC STEPPER
IMTRA REPLACEMENT
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