INSTRUCTIONS

GEK-34206A
Supersedes GEK-34206
INSERT BOOKLET GEK-34123

RECLOSING RELAY

TYPE NLR21M

INTRODUCTION

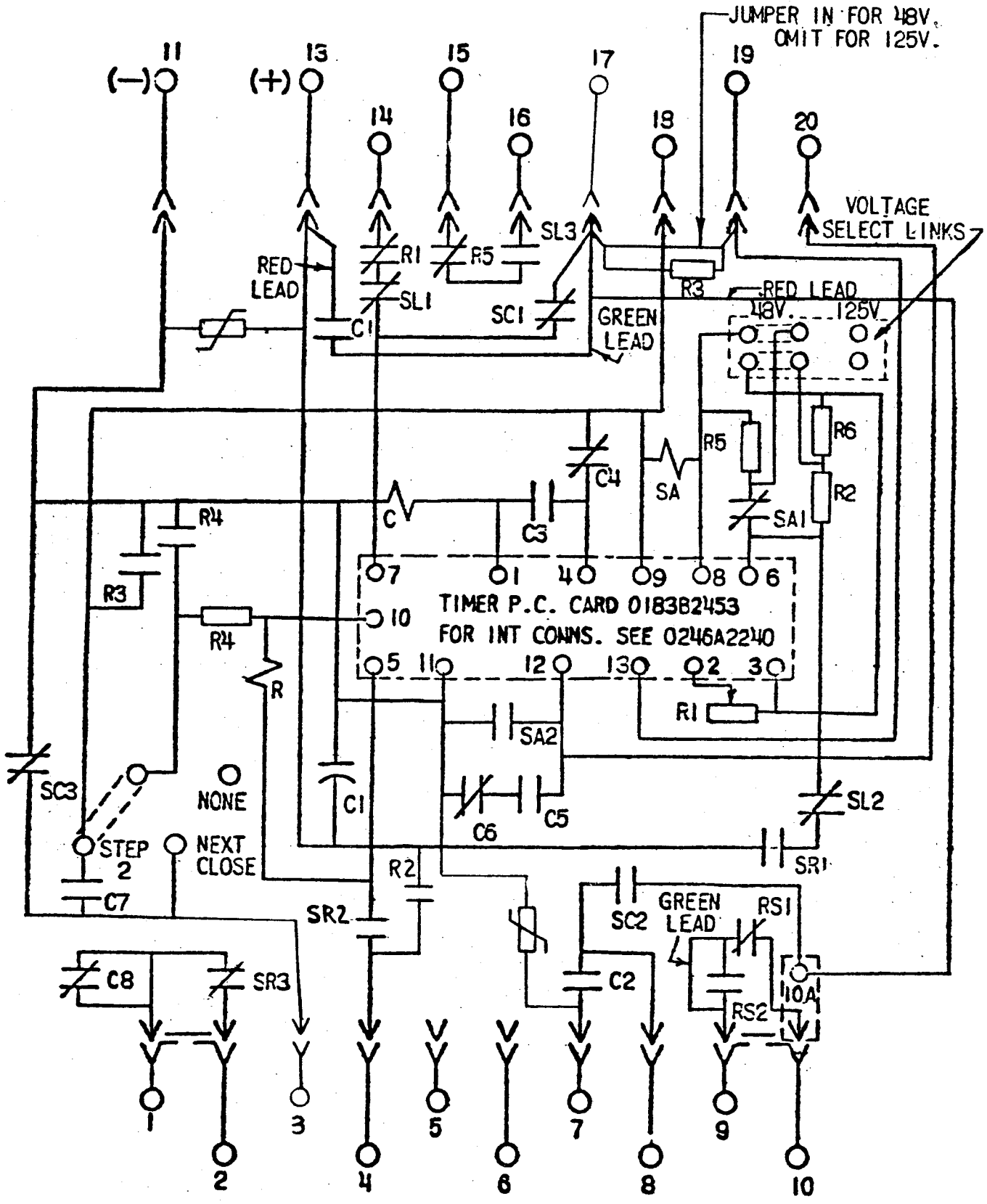
These instructions are a supplement to Instruction Book GEK-34121, which is included in this book. The combination of the two provides instructions for the NLR21M relay. All information pertinent to the NLR21M that is not covered by this supplement is as indicated in GEK-34123.

DESCRIPTION

The NLR21M is similar to the NLR21A except it is a dual-rated DC relay and has a fixed instantaneous reclosing lobe. The NLR21M relay contains rated voltage-selecting links to provide means of adjusting the relay to operate on the control voltage available.

Figure 1 shows the internal connections for the NLR21M relay.

Figure 2 shows the external connections for the NLR21M relay.



O = POST NO. ON PRINTED CIRCUIT CARD

*Figure 1A (0246A3328 SH.1[3]) Type NLR21M Internal Connection Diagram

*Revised since last issue

STEPPING SWITCH CONTACTS

CONTACTS	SWITCH CONTACTS		
	RESET	STEPS 1-34 INC.	LOCKOUT
SL (≠)	CLOSED	CLOSED	OPEN
SL (⫟)	OPEN	OPEN	CLOSED
SR (⫟)	OPEN	CLOSED	CLOSED
SR (≠)	CLOSED	OPEN	OPEN
SC (⊥/⊤)	CLOSED BY ADJUSTABLE CAMS IN ANY 3 NON-ADJACENT STEPS		
SC (≠)	CLOSED WHEN SC CONTACTS (⫟) ARE OPEN		
SA (⊥/⊤)	CLOSED WHEN STEPPING SW. COIL IS ENERGIZED		
SA (≠)	OPEN WHEN STEPPING SW. COIL IS ENERGIZED		

MODEL	FORM			
22NLR21M(-)A	1			
VOLTS DC	48/125			
RESISTANCE IN OHMS				
C COIL	500			
R COIL	600			
SA COIL	70			
R1	1MEG.			
R2	2,000			
R3	1,200			
R4	600			
R5	100			
R6	6,000			
CAPACITANCE VALUE				
C1	1uf			

*FIGURE 1B (0165B2638 SH. 2 [2]) Type NLR21M Internal Connections Diagram

*Revised since last issue

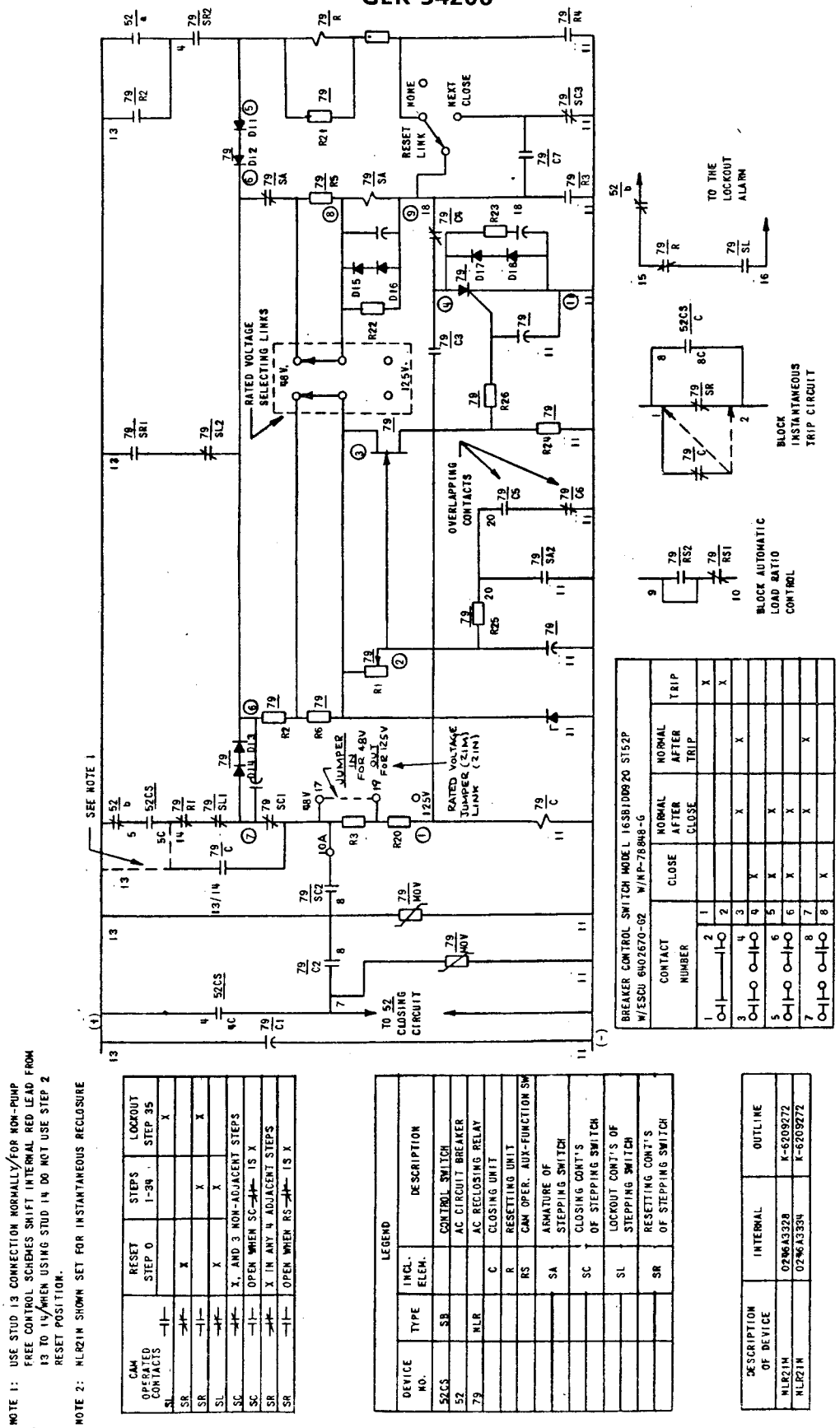


*Figure 2 (0165B2638-1) Type NLR21M External Connections Diagram

*Revised since last issue