



RFL Electronics Inc.

INSTRUCTION DATA

Model 66C NLRLY **Eight-Point Non-Latching Relay Card**

DESCRIPTION

The Model 66C NLRLY is an element of the RFL Series 66 TDMS Time-Division Multiplex System. It provides eight points of non-latching relay-output capability, with a single, Form-C contact set provided with each relay. Relay coils are intended to be energized under control of an external source such as an open-collector transistor or a set of contacts.

A choice of two operating voltages for coils is available, either 12 or 24 Vdc. Operating currents are given in the Specifications.

Table 1 shows model designations.

TABLE 1

8-POINT NON-LATCHING RELAY CARD			
MODEL DESIGNATION	ASSEMBLY NUMBER		
	12-V Coil HB-44830-1	24-V Coil HB-44830-2	
66C NLRLY-1	•		
66C NLRLY-2		•	

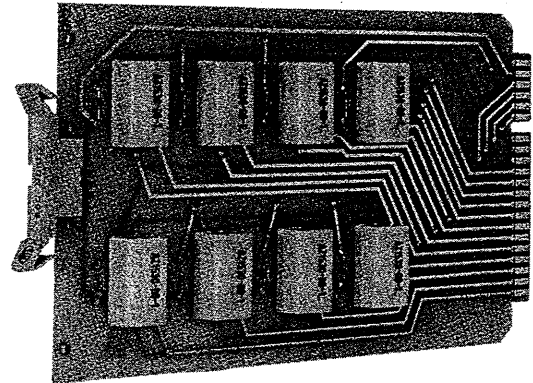


Figure 1. Model 66C NLRLY Non-Latching Relay Card.

SPECIFICATIONS

Contact Rating, Resistive Switching

- 0.5 A @ 115 Vac
- 2 A @ 28 Vdc
- 1 A @ 48 Vdc
- 0.1 A @ 150 Vdc

Breakdown Voltage

- 150 Vrms, contact-to-contact
- 500 Vrms, contact-to-coil

Coil Voltages and Resistance

- Model 66C NLRLY-1: 12 Vdc, 310 ohms
- Model 66C NLRLY-2: 24 Vdc, 950 ohms

Power

- 12 V relays, 39 mA each
- 24 V relays, 26 mA each

Operating Ambient-Temperature Range

- 30 to 70°C

Size

- The module requires two standard one-half-inch module spaces in an RFL Model 68 Chassis.

PARTS LIST

CIRCUIT SYMBOL	DESCRIPTION	PART NUMBER
Model 66C NLRLY, Assembly HB-44830		
CR1-8	Diode, silicon, Type 1N914B/1N4448	HA-26482
K1-8	Relay, SPDT with options as follows:	
	Option 44830-1:	
	Coil 12Vdc, 310 ohms, Amer. Zettler AZ-2530-08-1, or eq	HA-49421
	Option 48830-2:	
	Coil 24Vdc, 950 ohms, Amer. Zettler AZ-1530-06-1, or eq	HA-42014
-----	Schematic (Figure 2)	HC-44834

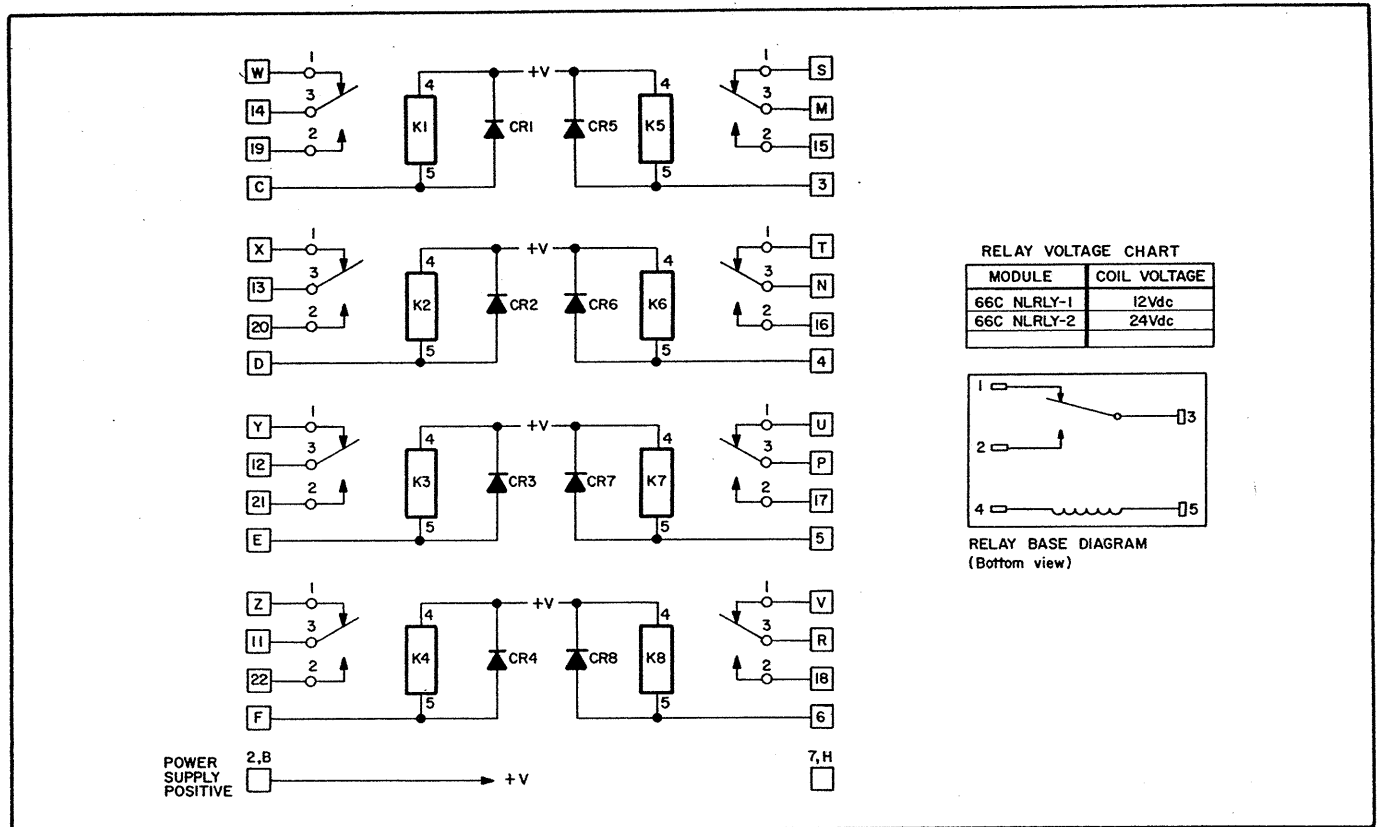


Figure 2. Schematic of circuit, Model 66C NLRLY.



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