



3204 Rocky River Road, Heath Springs, SC 29058  
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## Electronic Relay Card

Model C10472-000

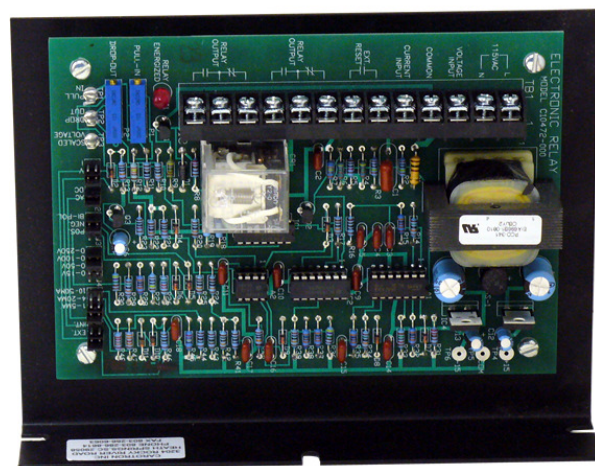
Model C10472-000 Electronic Relay Card is designed for a wide range of applications where process signals need to be monitored and give a relay contact signal when the process signal exceeds a set point. Model C10472-000 can monitor A.C. voltage inputs from 0 to 250 VAC, D.C. voltage inputs from 0 to 250 VDC, or D.C. milliamp inputs of 1 to 5 mA, 4 to 20 mA or 10 to 50 mA.

Each input signal is conditioned by scaling circuits and then compared with an adjustable voltage level set by the PULL-IN potentiometer. When the scaled input signal exceeds the voltage level set by the PULL-IN potentiometer, the relay is energized.

Two methods of set-up allow the relay to either be latched and reset by an external momentary contact closure or automatically reset when the scaled input voltage level reaches a level 1 to 10% less than the PULL-IN level. This percentage difference is set by the DROP-OUT potentiometer. Two Form "C" relay contacts rated 5 Amp at 110 VAC are supplied for interface to other equipment. An on-board LED indicates when the relay is energized.

### Standard Features

- Operates from 115VAC
- DC voltage input: 4 ranges, 250VDC max
- AC voltage input: 4 ranges, 250VAC max
- Current input: 3 ranges, 50mA max
- Test points for ease of circuit access
- 20 turn pots for critical calibration adjustments
- Resets automatically or external contact closure
- Right angle mounting to conserve panel space
- Clamp type terminals for all customer connections



### Specifications

A.C. Voltage Input	Input Impedance
0 – 15 VAC	1.0 Meg Ohms
0 – 50 VAC	1.0 Meg Ohms
0 – 100 VAC	1.0 Meg Ohms
0 – 250 VAC	1.0 meg Ohms
D.C. Voltage Input	Input Impedance
0 ± 15 VDC	1.0 Meg Ohms
0 ± 50 VDC	1.0 Meg Ohms
0 ± 100 VDC	1.0 Meg Ohms
0 ± 250 VDC	1.0 Meg Ohms
D.C. Current Input	Input Impedance
0 – 5 mA	1,000 Ohms
4 - 20 mA	270 Ohms
10 – 50 mA	100 Ohms

### A.C. INPUT

115 VAC ± 10%, 50/60 Hz, 9.2 VA Max

### RELAY OUTPUT

Two Form "C" contacts, rated 5 Amps at 110 VAC resistive or inductive load.

# Application Example

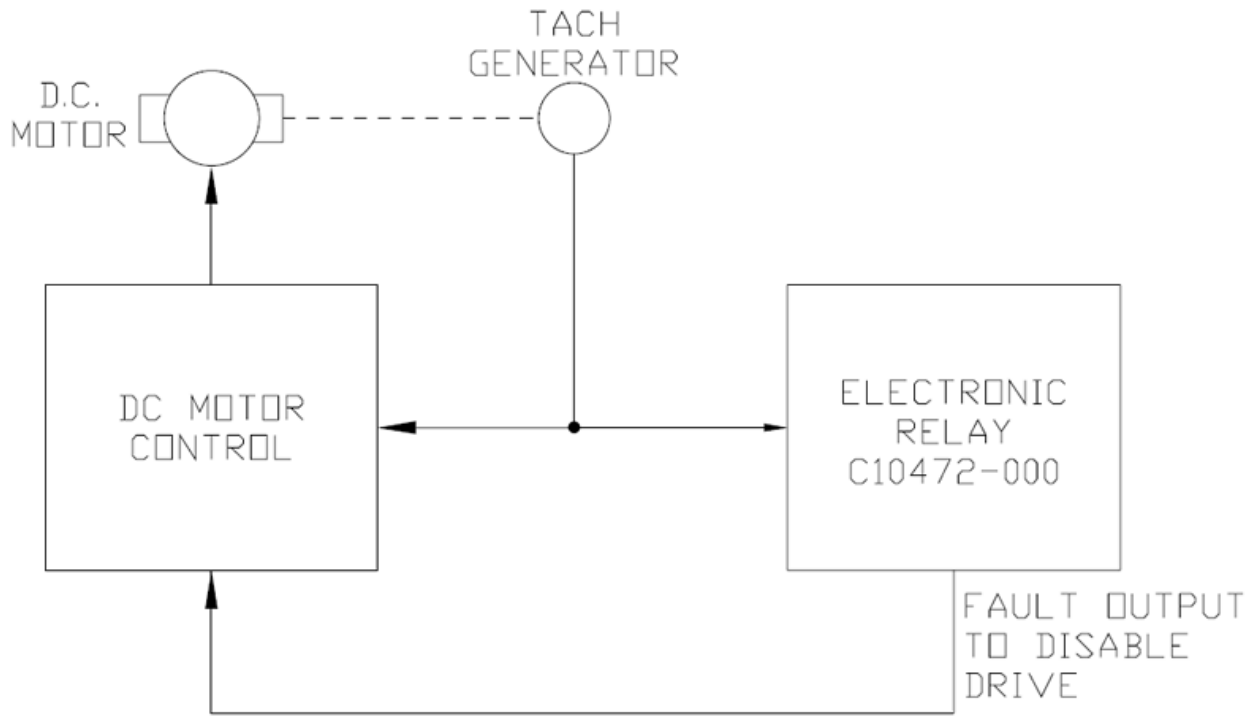


Fig. B.1

# Dimensions

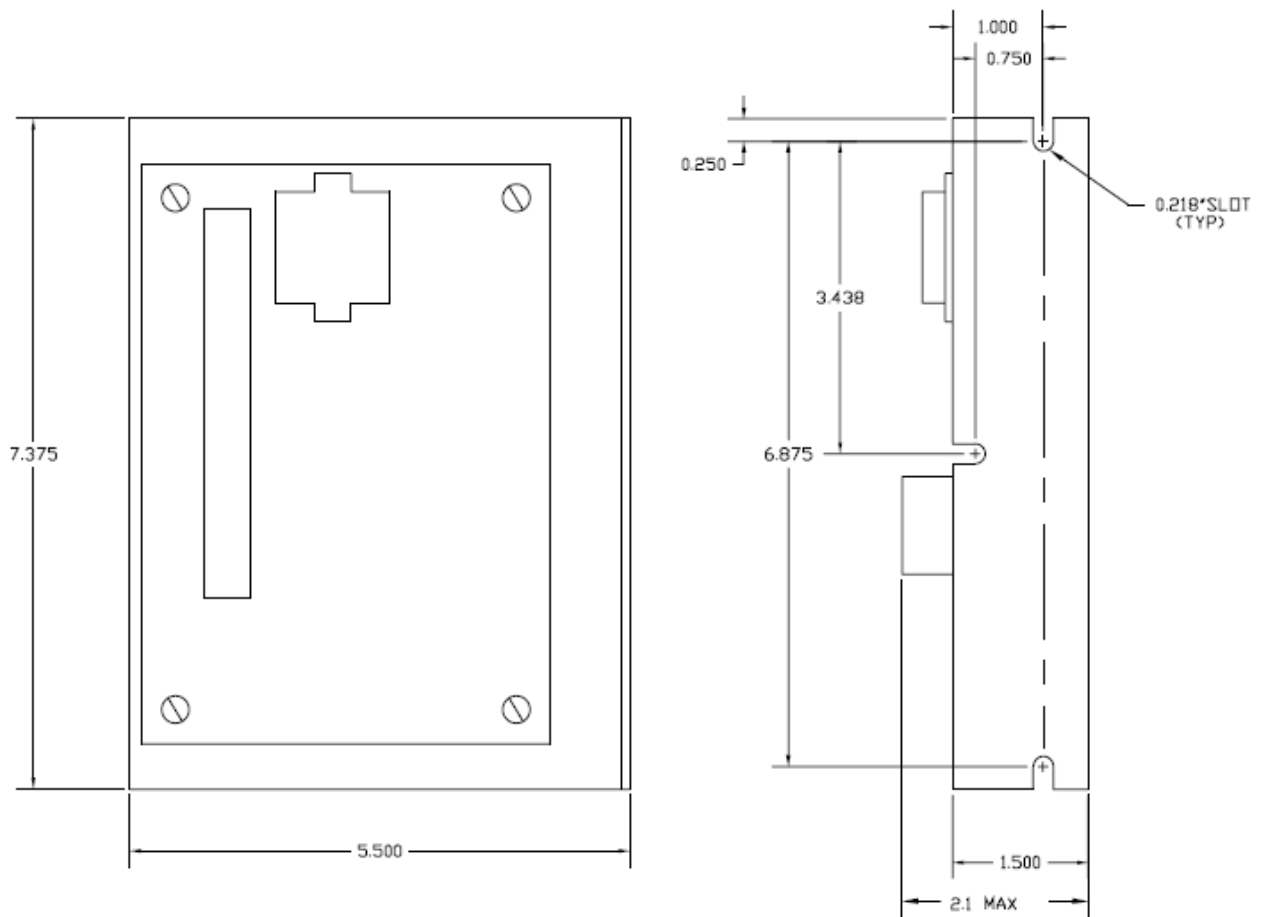


Fig. B.2

## Connections

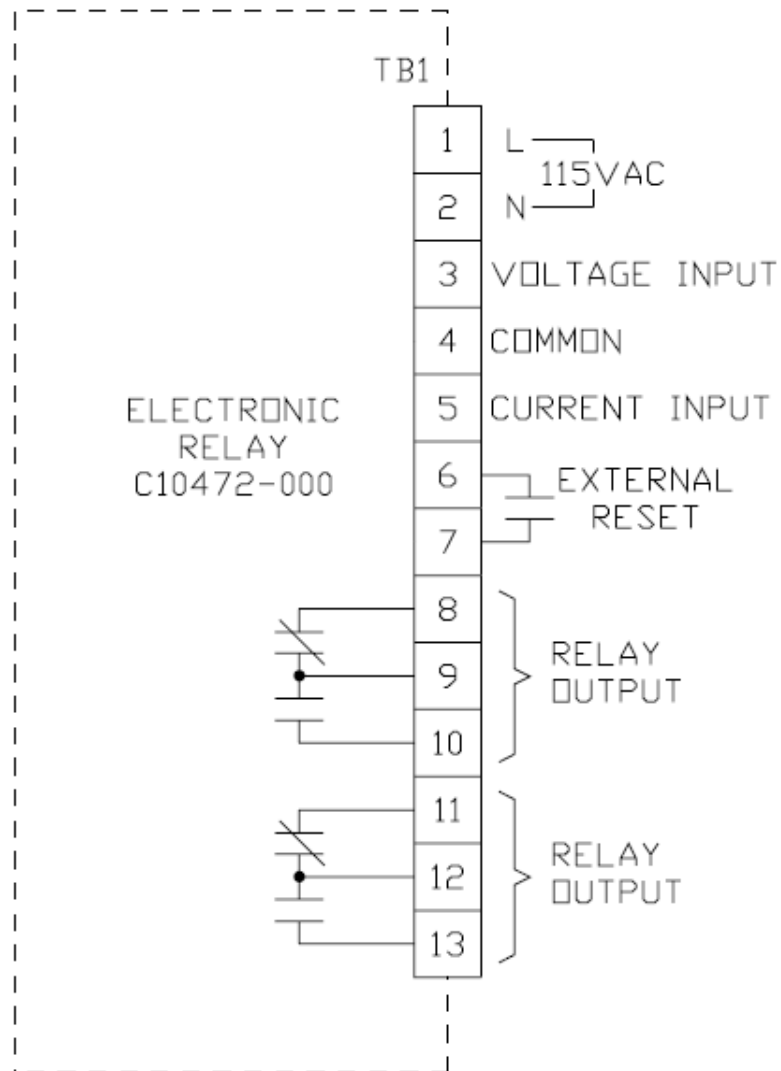
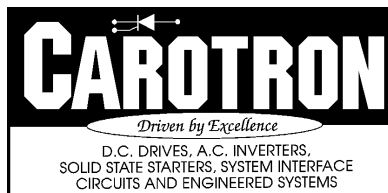


Fig. B.3

### ***Electronic Relay Card*** **Model C10472-000**

View or download the complete C10472-000 Instruction Manual (MAN 1018-00) from [www.carotron.com](http://www.carotron.com).



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