Electronic Relay Card

Model C10472-000

General Description

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 mAmp, 4 to 20 mAmp or 10 to 50 mAmp.

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, 250VDC max
- Current input: 3 ranges, 50mADC 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

SIGNAL INPUTS

A.C. Voltage Input	Input Impedence
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 Impedence
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 Impedence
0 - 5 VAC	1,000 Ohms
4 - 20 VAC	270 Ohms
10 - 50 VAC	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

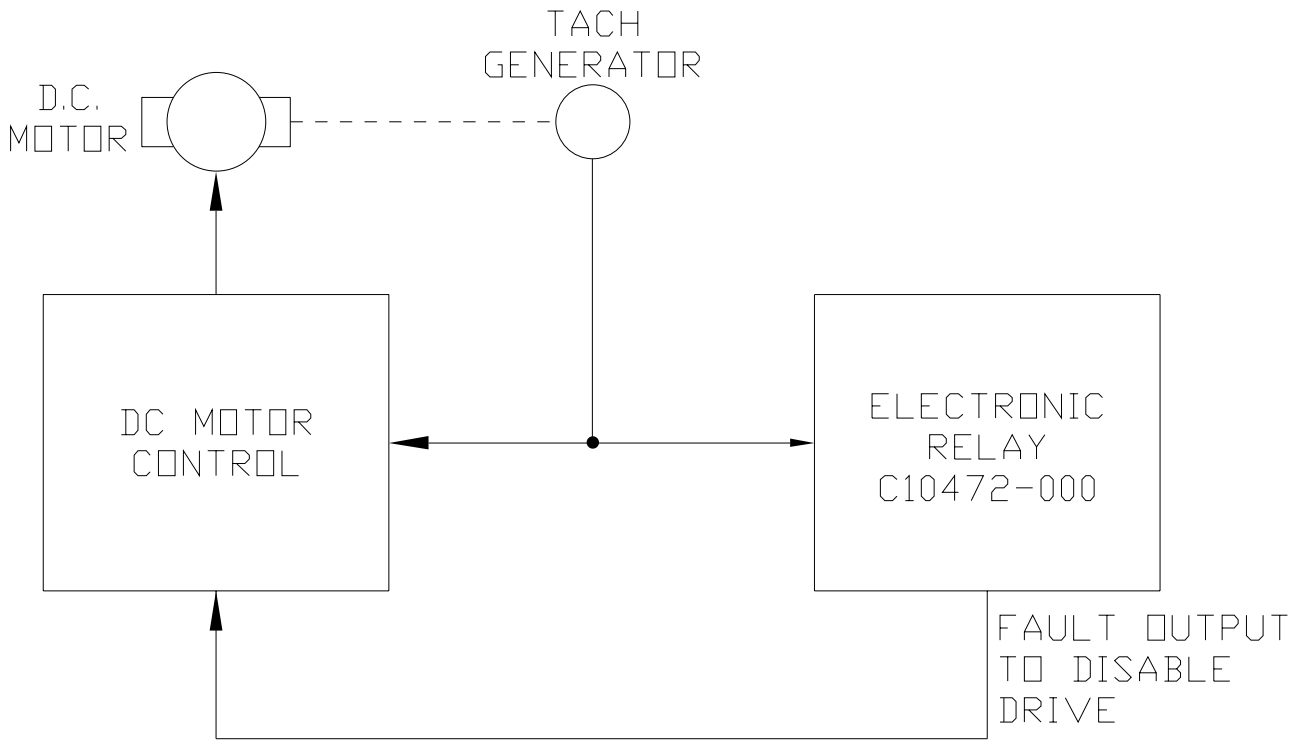

Fig. B.1

Dimensions

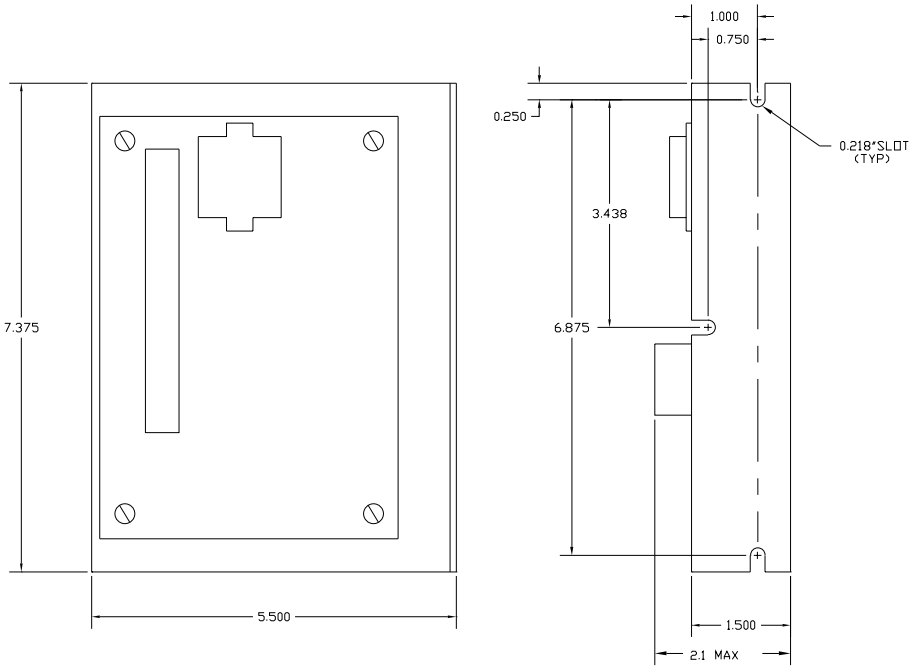

Fig. B.2

Connections

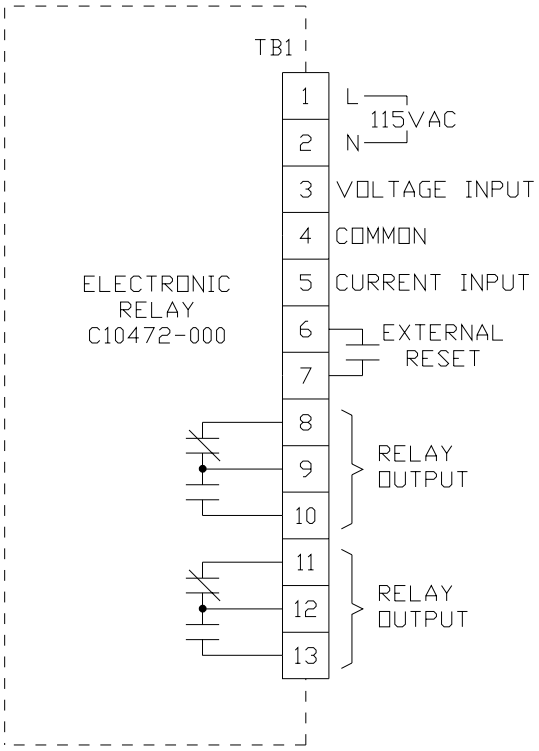

Fig. B.3