

## Automation Devices Inc.

### TRIAC Troubleshooting Guide

Use an Ohmmeter to test the TRIAC across the terminals described below (see the TRIAC Reference Guide below for terminal locations).

Set the Ohmmeter to the highest Meg. Ohm scale for the following resistance measurements. The resistance noted below is generally greater than 1Meg. Ohm. A good TRIAC will match the conditions shown in the chart below.

Red Meter Lead	Black Meter Lead	Correct Result
Anode 1	Anode 2	High resistance in both directions
Anode 2	Anode 1	

Measure the resistance between the terminals indicated by the following chart. The resistance noted below is generally greater than 1Meg. Ohm. A good TRIAC will match the conditions shown in the chart below.

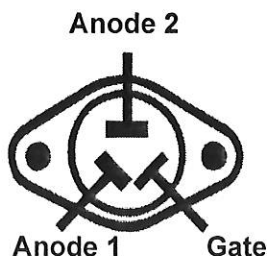
Red Meter Lead	Black Meter Lead	Correct Result
Gate	Anode 2	High resistance in both directions
Anode 2	Gate	

Set the Ohm meter to the 1K Ohm resistance scale. Measure the resistance between the terminals indicated by the following chart. The resistance noted below is generally 1K Ohm or less. A good TRIAC will match the conditions shown in the chart below.

Red Meter Lead	Black Meter Lead	Correct Result
Gate	Anode 1	Low resistance in both directions
Anode 1	Gate	

If the resistance measurements match all of the above conditions, then the TRIAC is good. If any measurements do not match all of the above conditions, replace the TRIAC.

### TRIAC Reference Guide



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