



**Your Partner in PUBLIC SAFETY**

**New Jersey Section of the  
International Municipal Signal Association  
Serving New Jersey and Pennsylvania  
Since 1938**

[www.newjersey.imsasafety.org](http://www.newjersey.imsasafety.org)

*“Dedicated to Public Safety through Education”*

The Nema TS1 Troubleshooting Seminar has been developed by members of the New Jersey Section of the IMSA and is only offered by the New Jersey section and is protected by US Copyright Laws.

## NEMA TS1 Controller Assembly Troubleshooting Seminar



### **Course Description:**

This two day (16 hour) troubleshooting seminar covers basic traffic signal operation, function and troubleshooting of TS1 Traffic Signal Assemblies, Cabinet Components and Terminal Facilities. This seminar is designed to introduce the attendees to basic and intermediate troubleshooting procedures with a slant towards safety and reducing legal liability. This seminar will be extremely helpful to individuals who are beginning a career in the traffic industry or who require basic knowledge of troubleshooting. In addition, this seminar will cover:

- Hands-on troubleshooting of common problems
- Conflict monitor operation
- Operation of auxiliary components
- Record keeping
- Use of electrical meters and test equipment
- Logical steps for observing and troubleshooting a problem
- Overview of electrical principals and safety
- Overview of applicable sections of the NEC and NESC
- Bonding and Grounding
- Overview of signal phasing, operation and terminology
- Overview of preventive maintenance
- Overview of Tort Liability
- And more...

### **Who should attend?**

- Engineers
- Electricians
- Maintenance Personnel

*and anyone who is interested in learning about NEMA TS1 Troubleshooting and Controller Assembly Operation.*

### **Recommended Prerequisites:**

To get the most benefit from this seminar we recommend that absolute beginners to the traffic industry take our Traffic Signal Level I Certification Course.

*This seminar is worth 16 CEC towards your IMSA certification renewal*

### **IMSA NEW JERSEY SECTION**

126A South 6<sup>th</sup> Ave, Manville, NJ 08835

Phone: (717)606-6243 email - [trafficman252@gmail.com](mailto:trafficman252@gmail.com)