

# Transport Refrigeration

## Level 2 Certification



At Thermo King, our whole mission is about improving the quality of life. Our products and people deliver peace of mind to our customers by ensuring passengers and temperature-sensitive goods make it to their destinations safely and efficiently. The partnership with NC3 allows Thermo King to help shape tomorrow's workforce through certification programs, industry supported curriculum and hands-on training.

## Level 2 Certification

**Thermo King Level Two** is a combination of two certifications that build upon the Level One foundational skills. In Level Two, students will learn about transport refrigeration control systems and advanced refrigeration system diagnostics. This certification will provide a valuable, stackable credential that can be easily embedded into a Diesel and/or HVAC/ R curriculum. A student with Level Two certification will acquire the skills and knowledge regarding operation and troubleshooting of Thermo King equipment. Level Two certifications combined with Level One certifications allows students to obtain a well-rounded skill and knowledge base that is integral to meeting the needs of service, fleet and dealer locations across the country.

### 3 TRANSPORT REFRIGERATION TRAILER CONTROLS

- Learn the control system layout of a Thermo King single temperature trailer unit
- Review control component logic related to: software, microprocessor, relays, FET's and status LEDs
- Low and high voltage components

### 4 TRANSPORT REFRIGERATION DIAGNOSTICS & TROUBLESHOOTING

- Learn refrigeration system data gathering and diagnosis: sequence of operation, alarm codes and temperature differential
- Learn how to inspect/review external factors that impact the refrigeration process: trailer condition, loading practices (airflow) and load effect on pull-down time
- Refrigeration system troubleshooting: primary and secondary refrigeration symptom analysis, normal operating pressures/temperatures and root cause determination



Thermo King is a proud partner of the National Coalition of Certification Centers. Certifications are developed and administered by NC3 (National Coalition of Certification Centers) and are compatible with other industry recognized certifications. For more information, contact NC3 at [nc3.net](http://nc3.net).