

# WARMING TRENDS®

## **Our Company**

Warming Trends designs, manufactures, and distributes superior outdoor gas fire features. Our main office is in Englewood, Colorado, about 20 minutes south of downtown Denver. With patented, competitively advantaged and United States made products, we have created a company that has proven itself to be an innovative industry leader. We appreciate every opportunity we are given to contribute to our customers' outdoor living environment and lifestyle. Visit our website at [www.warming-trends.com](http://www.warming-trends.com) to learn more.

Along with our product, our employees seek to delight our customers and help drive our successful brand.

As Warming Trends continues to expand, the Company is committed to investing in our team members, as we seek members whose performance can match that of our CROSSFIRE burner systems.

## **Electronics Engineer**

### **Job responsibilities:**

- Schematic Capture and PCB Layout
- Program logic controllers and develop interface boards
- Develop and standardize the test methodologies used for department wide uniformity
- Write Standard Operating Procedures based on test methodology
- Perform project work as assigned by the Engineering Manager
- Summarize test results
- Skilled in board bring-up and debugging
- Designing Library parts (symbols, footprints, etc.)
- Develop printed circuit board (PCB) designs and supporting embedded firmware development incorporating specialized and/or off the shelf hardware devices
- Manage production documents, revisioning, and specifications
- Design electronic systems, products, software, and components
- Develop and Create testing procedures and maintenance for electronic equipment and components based on performance specifications.
- Use software and hardware to perform circuit analysis, run simulations, create schematic drawings, and produce wiring diagrams for new product development and provide support to existing products.

- Prepare bills of materials, expense schedules and manufacturing process cost reviews with a goal of reducing expenses while maintaining product reliability
- Develop user manuals for print and web that include detailed how-to, maintenance, troubleshooting and warranty information
- Redesigns existing products to meet revised requirements.
- Designs and modifies analog and digital hardware circuits for embedded control applications using schematic capture CAD software programs.
- Interpret schematic diagrams, select components, and build electronic circuits
- Design and modify Printed Circuit Board (PCB) layouts using PCB layout CAD software programs.
- Researches and identifies suitable replacements for obsolete electronic components.
- Combines broad knowledge of design skills, engineering principles, manufacturing techniques, and analytical skills to address field problems and proposes corrective actions.
- Writes reports, conducts evaluations, and analyzes data.
- Responsible for following quality system procedures. Ensures product quality and takes appropriate action when non-conformances are identified.
- Investigate non-conforming product and make corrective action recommendations.
- Develop effective maintenance, testing, and quality control procedures.
- Design and manufacture of electronic assemblies and their application to consumer products.
- Inspect electronic systems, instruments, and equipment to ensure they meet applicable regulations and safety standards.
- Familiarity with requirements of safety agencies (UL, FCC, CSA, etc.).
- Ensuring all equipment and products meet health and safety regulations.

### **Electronics Engineer Job Duties:**

- Provides support in addressing production and warranty issues concerning current products.
- Recommend modifications to existing designs and prototypes based on performance in quality tests and customer feedback
- Provides support to Production.
- Involvement in all facets and phases of product development from inception to production, and obsolescence. Maintains safe operations by adhering to safety procedures and regulations.
- Liaising with engineers, other professionals, as well as management to ensure quality projects are completed to specifications.
- Observing existing processes and making recommendations for improvement.
- Representing the company at conferences and delivering presentations if required.
- Establishing relationships with staff, vendors, suppliers, and other professionals in the field.

### **Required Skills/Abilities:**

- Ability to use sophisticated and simple electronic test equipment.
- Ability to use office and technical software applications.
- Ability to communicate effectively with technicians, colleagues, management, and vendors.
- Ability to work effectively independently or in a team environment.
- The Electronics Engineer may be required to travel periodically. The travel requirement will be determined by the activities of the projects.
- Proficient in Microsoft Office Suite or related software.
- Detail-oriented and organized.
- Excellent problem-solving ability.
- Great interpersonal skills.
- Strong analytical and problem-solving skills.
- Ability to remain calm under pressure.
- Excellent written, verbal, and telephonic communication skills.
- Willingness to work overtime if required.

#### **Education and Experience:**

- B.S. in Electrical, Electronic or Computer Engineering.
- Master's degree preferable.
- Great attention to detail with a goal-driven attitude.
- Excellent problem-solving and troubleshooting skills.
- Strong comprehension and analytical abilities.
- Excellent computer and mathematical skills.
- Strong mechanical aptitude.
- A keen eye for detail and results-driven approach.
- Excellent research and interpersonal skills.

#### **Physical Requirements:**

- Must be able to safely lift heavy boxes and materials. Assist others with team lift when needed.
- Lifting up to 50 lbs. of parts and/or testing equipment.
- Standing and sitting at workstations.
- Working at desk, computer, and using phone.