

M. G. NEWELL CORPORATION

JOB DESCRIPTION

JOB TITLE: Controls/Systems Engineer

DEPT: Controls Engineering

SUPERVISOR: Controls Engineer Manager

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PRIMARY PURPOSE:

Provide customers with sound control system designs and installations that meet or exceed customer requirements and meet all applicable codes.

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JOB DUTIES:

- Create specifications and drawings (schematics, loop sheets, panel drawings, etc.) for PLC and relay logic control systems used in industrial processing facilities.
- Have a working knowledge of sanitary and industrial processes (e.g., CIP, HTST, DI water) and apply that knowledge to designs.
- Be familiar with PLCs, operator interface programs, and variable frequency drives. Must have excellent working knowledge of how these devices function and communicate to control manufacturing processes. Must be able to program and configure these devices.
- Develop detail designs of control panels. Supervise the fabrication of panels and perform final quality testing before shipping.
- Possess thorough understanding of field sensors (flow, temperature, pressure, and level devices). Knowledge must include ability to field service and support devices that M. G. Newell represents.
- Proficient with appropriate tools to conduct design and field service work. This includes AutoCAD, plotters, MS Office products, electrical test equipment, and various other installation and testing tools.
- Prepare quotes for customers. Create detailed bill of materials when required for quoting or construction.
- Participate in M. G. Newell field service program. Travel to customer sites for routine maintenance and troubleshooting when necessary. Maintain all necessary documentation in program. Train other M.G. Newell technicians as necessary to perform repairs and calibrations and service customer accounts.
- Provide hands-on field installation and start-up assistance on assigned projects. Supervise fabrication of control panels in shop as necessary.
- Conduct training for customers on installed equipment. Create documentation to support installations.

- Act as overall project manager on assigned jobs, or supply other project managers with control system designs as requested. Department Manager will set priorities if conflicts arise.
- Participate in the development of departmental standards. Adhere to standards as they are created.
- Project a positive, professional image to the customer, both internal and external. Be alert for ways to solve customer problems and communicate with others within M. G. Newell when opportunities exist. Promote M. G. Newell products and services whenever possible.
- The incumbent should keep current in the electrical controls and instrumentation field and follow all applicable codes in designs and constructions.

#### REQUIRED SKILLS, EDUCATION AND REQUIREMENTS:

- Bachelor's Degree Required (Engineering discipline preferred)
- 5 years engineering experience preferred
- ISA-88 batch programming experience highly desirable
- Experience with PLC (Allen Bradley / Siemens) and HMI coding required.
- Willing to travel 35% +/- of the time

M. G. Newell Corporation has been in business for over a century providing sanitary process components and integrated process systems to the food, dairy, citrus, beverage, pharmaceutical and personal care industries. With divisions in Greensboro, North Carolina; Louisville, Kentucky, and Nashville, Tennessee, our services extend to the Mid-West, MidAtlantic, and Southeastern United States.

M.G. Newell is an Equal Opportunity employer and will consider all qualified applicants for employment without regard to race, color, religion, gender, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.

Learn more at [www.mgnewell.com](http://www.mgnewell.com)