



Building Automation Programming Technician

SUMMARY

A BAS Programmer (Field Technician) responsibilities include design review and implementing customer building automation projects. BAS Programmers will be put in a position to draw from the knowledge of Senior BAS Programmers. Day to day tasks will be determined by the specific requirements of each project. The future progression for this position is intended to evolve into a Senior BAS Programmer/Senior Field Technician.

ESSENTIAL FUNCTIONS AND RESPONSIBILITIES include the following:

Other functions may be assigned

INSTRUMENTATION (30%)

- Develop BAS and network architectures per client's RFQ's, project drawings and documentation
- Design and propose controls hardware appropriate for a project based upon the above
- Research and select a specific control system beneficial for the type of project
- Provide technical support for BAS Support Technicians
- Inspect completed control enclosures
- Lead multiple project implementations with several different customers
- Coordinate and manage BAS Support Technicians regarding work associated with assigned projects
- Serves as a primary technical contact to management regarding projects

BAS DESIGN AND CONFIGURATION (50%)

- Participate in project design review meetings
- Create systems using project hardware and computers
- Configure user interface and MMI screens
- Configure BAS control algorithms
- Provide custom BAS control algorithms as required
- Execute internal functional and quality control testing
- Provide BAS as-built documentation to BAS Support Technician
- Perform customer demonstrations and acceptance testing
- Develop and implement project graphics and interfaces

ONSITE BAS STARTUP (20%)

- Works in a supervisor role or with a team at a customer site
- Works effectively and efficiently with subcontractors
- Install project software and configuration onto site systems
- Provide modifications/additions to site graphics as required
- Perform integration functions as required
- Perform point mapping
- Perform system commissioning via point-to-point loop checks
- Perform instrumentation and software calibration and tuning
- Participate in functional tests of all systems
- Troubleshoot installation discrepancies of new systems
- Program field modifications as required
- Perform troubleshooting/service for existing systems

- Assist with developing commissioning test plans and documentation updates
- Assist with developing training documentation/presentation on operations and maintenance of system Requirements

SUPERVISORY RESPONSIBILITIES

This job has no supervisory responsibilities.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

High School or GED

Desired Degrees: Mechanical Engineering, Computer Engineering, and Computer Science

3 Years of programming/configuring/troubleshooting

Ability to read blueprints and other construction documents related to job bids

Knowledge of Microsoft products as well as Adobe Acrobat and Visio

Individual must possess a valid driver's license in good standing

Preferred Knowledge/Skills, Education and Experience:

Bachelor/Associates degree in electronics or mechanical field