Accurate and consistent control of building operations are essential for energy savings through building automation. In the competitive market of today, efficient building operation and scheduling are key factors in increasing system performance and achieving overall cost savings.

Triangle MicroSystems has the tools you need to properly monitor and control your facilities.

You’re In Control Now ....
We are pleased to introduce our complete line of building control products...

Triangle MicroSystems has manufactured quality control since 1979 for all building types and applications. From our original FACILITEC to our latest BASYX Building Automation and Temperature Control System, we have designed products to fit the needs of commercial, industrial and retail facilities.

The BASYX system provides total environmental control and automation for all types of mechanical and lighting systems. Our TriComm graphical interface program allows interrogation via direct, modem or internet/intranet connection. The simple point-and-click interface provides an easy setup and monitoring of retail stores, convenience stores, manufacturing, educational facilities, medical facilities and office buildings. The system contains logic programming for larger facilities such as campus or industrial sites.

The BASYX-PC is a completely programmable stand-alone board, and the addition of our RTW/RFc wireless controllers lends itself to the rapidly changing building market. Our VAV and VVR controllers bring the latest technological advances to the control of variable air volume systems.

Triangle MicroSystems, through our distributor/dealer network, offers the hardware, software, installation materials and applications engineering for virtually any building or system. Our unique position in the manufacturing community allows custom design or OEM systems to fit your specific needs.

All systems are designed, built, programmed and thoroughly tested in our labs, ensuring a quick and easy field installation.

Contact your local dealer to see how we can save you time and money in your future control and automation plans.

Respectfully,

Triangle MicroSystems, Inc.

Jeffrey L. Luther
Vice President Building Controls
TMS provides complete assistance in the development of point listings, panel location layout and mechanical system operation sequences.

Based on the system design and per the control drawings, the panels are assembled with required controllers, power supplies and power connections. All input/output points are wired to terminal strips for easy field installation. Utilizing this service, contractors can eliminate engineering and assembly time, thus reducing installation cost. Factory testing insures that all board and panel connections are correct, reducing on-site startup and commissioning labor.

TMS provides complete operational programming installed and tested before shipment of the panels. This service, along with panel assembly, virtually eliminates on-site engineering resulting in a clean and efficient installation.

Detailed installation drawings showing internal panel wiring, device field connections and cable routing are included.

Control of commercial buildings has been a staple of TMS installations for over 25 years. Systems have been designed to control all aspects of HVAC, mechanical and lighting equipment to maintain proper levels of temperature, humidity and air quality. Customized design and programming insures the operation of each facility is performed in the most economical manner, in accordance with the exact requirements of the operating personnel.

TMS provides complete systems for control of temperature and lighting to the retail market. Convenience stores, retail operations and other stand-alone buildings can benefit from the control available through the BASYX product line. The design of our products is ideally suited for all size buildings, from small branch offices or store fronts to multiple location installations. Systems can be monitored and controlled from a single location, reducing the manpower for support and mechanical system service.

Educational facilities, from single school buildings to multi-facility campuses can benefit from the consistent control provided by the BASYX system. The new RFW wireless controller is especially suited for environmental control of modular classrooms, requiring no hard wiring between buildings. The system can integrate all buildings into a common system allowing complete monitoring from one location.

Industrial facilities face increasing competition from all markets, and must reduce operating expenses to remain competitive. Proper control of HVAC, lighting, exhaust and other processes is one area that substantial savings can be achieved, while maintaining environmental and product conditions.

Original equipment manufacturers can benefit from the customized control capabilities of the TMS systems. Our OEM group has successfully designed hardware and software for the specific requirements of OEM equipment and systems utilizing our easy to use platform.
The BASYX PSC is the heart of the product line, a programmable system controller for monitoring and control of virtually any environmental, mechanical or lighting equipment. The PSC may be networked with additional controllers for complete systems in excess of 6,000 points.

The BASYX RFW/RFC controllers are reduced point boards which allow wireless databus communications requiring no communications cables between the units. The units were designed for water source heat pumps, rooftop units and modular building control.

The BASYX VAV is a complete assembly for control of variable air volume boxes. A single unit consisting of the damper actuator, velocity sensor and controller makes field installation quick and easy. The stand-alone capabilities of the unit make it ideal for pneumatic retrofit applications. The VVR is a snap-track mounted controller for use with existing damper actuators.

The TimeWatch is a stand-alone unit which provides voice prompted overriding of any mechanical or lighting system via any telephone. Complete historical data is calculated for individual tenant “after-hours” usage. Invoices are generated by owner set hourly rates. The system utilizes relay outputs, and can interface through contact input with any control system on the market.

Understanding complex software packages is often a deterrent to achieving the potential benefits of building automation. In many current systems, software is a major cost and setup expense, additional fees are regularly imposed. Triangle MicroSystems regards the ability to use the system as an integral part of your operation, and therefore does not license or charge for the TriComm Interface software or updates.

TMS can provide all devices required for a complete building automation system installation. Third party devices have been researched for quality and compatibility with the BASYX product line. All devices provided by TMS are backed by a one (1) year warranty.

The TriComm interface software is a single program which allows access to the BASYX hardware through a direct, modem or internet/intranet connection. The software may be installed on as many computers as desired with no additional license fees or software costs. Current or updated software is always available through our website.

The Windows based software utilizes a menu driven method of accessing system status screens and programming functions. Simple setup of schedules, temperature setpoints and other control functions are performed through simple point-and-click screens.

An integral graphics interface allows custom views of system operation.