

# Emerson Climate Technologies™

## Restaurant Solutions

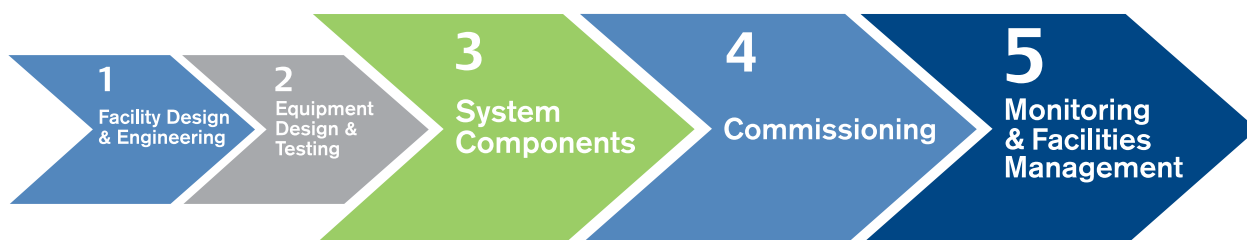


Control Your Operations — Maximize Your Opportunities



**Emerson Climate Technologies has a clear-cut mission:** to help you build a better business. That means focusing on performance—ours and yours. Let us show you how to improve the management and operating performance of your equipment and building systems, while at the same time cutting your operating expenses and improving your financial results.

How do we do all that? By providing you with the exceptional combination of insight and innovation. We bring industry-leading solutions to four key disciplines: energy management controls, commissioning, facilities monitoring and management, and project management. First, we take advantage of new technologies to achieve and maintain energy savings. Then we augment your maintenance and engineering staff or serve as your single-point solutions provider, with third-party experience and broad industry expertise. The result? A targeted approach to reducing cost and effort for your company. Whether you choose an Emerson component or a complete solution, we have the technology and expertise to help you cut costs from your operations.





Running a restaurant has never been more challenging. And Emerson Climate Technologies understands the complex issues you face every day. That's why we continue to bring you insight and innovation designed to improve efficiencies and let your employees put their focus where it belongs — on customer service. How do we do that? By offering an array of restaurant automation products and services that help you conserve energy — and energy expense — protect food, monitor equipment, and lower your overall operating costs.

Traditionally, it's been up to your managers to keep track of your restaurant's lighting, HVAC and refrigeration systems, then place and supervise any necessary service calls. Emerson Climate Technologies' restaurant automation services take much of that burden off their shoulders. We provide a restaurant control system — the E2, plus around-the-clock site monitoring support to ensure efficient operations and optimized energy usage,



## The Result?

Emerson Climate Technologies, with our capabilities and support programs, provides you and your operations with significant day-in and day-out savings — and long-term opportunity to build a better business.





## Take Control of your Business.

To bring you the kind of fast, flexible—and cost-effective—controls you need to compete, CPC, one of many Emerson divisions, has developed the E2. It's a significant step up from traditional electro-mechanical controls—more reliable, more efficient, and easier to use. Designed and built for flexibility, the E2 can meet your most complex control challenges. In fact, it's the right choice to better control and manage all your systems.

For starters, the E2 minimizes the cost of restaurant operations, increases equipment life, and reduces equipment downtime for:

- **Lighting systems**
- **HVAC systems**
- **Irrigation systems**
- **Reach-in coolers**
- **Freezers**
- **Custom applications**

The E2 also comes with a complete line of input boards, output boards, and peripheral devices that provide the necessary information to the controller. Whether it's a 500-square-foot facility or an operation of 20,000 square feet or more, integrating the E2 into your restaurant is easy. CPC's in-house custom panel shop and many leading electrical panel suppliers can develop a package that meets your unique space and control requirements.

### Add Up the Savings

The unique blend of features found in the E2 brings you a long list of built-in benefits, including the ability to return your initial investment in less than 18 months. There's more. The E2 can reduce energy costs—at an average of 10% or more—by helping you operate your equipment and lighting more efficiently. Other key advantages include:

- Identifying critical equipment failures—and minimizing downtime and replacement costs
- Reducing maintenance costs through remote access and diagnostics
- Developing a flexible base for future capabilities





## Lighten your Load.

As energy costs increase, you need new and better ways to control and cut your overall power bill. The lighting loads associated with interior lights, parking lights and signage offer a substantial opportunity for additional savings. That's where the E2 comes in. It can control any lighting load via a time schedule, light level sensor or a combination of both. The savings? Significant. For example, inadvertent operation of just 35kw of lighting and HVAC for only one additional hour per day costs you nearly \$1,000 per year at eight cents per kwh — a visible drain on your restaurant's profits.

Average Monthly Energy Cost (Per Site)	\$3,400	\$3,100	\$2,900	\$2,700	\$2,500
Estimate Savings Over One Year (Per Site) *	\$4,080	\$3,720	\$3,480	\$3,240	\$3,000

\*These numbers are typical of savings experienced by our customers employing our lighting, HVAC and refrigeration controls. Actual savings may vary based upon each location.



# Energy Savings

## Turn the Heat Down.

Need a reason to control your HVAC equipment? Here are two of them. High temperature in your dining areas causes uncomfortable customers—and the potential for loss of business. High temperatures in your kitchen can also threaten the safety of the food you serve and lower the productivity of your employees. Again, the E2 can help. It controls relative humidity (RH) to keep your customers comfortable and protect the life span of valuable kitchen equipment by minimizing the RH.

Incorporating CO<sub>2</sub> sensors into your facilities is a powerful way to save energy. It's a critical step in minimizing the amount of outside air that is introduced into your restaurant. Less outside air means a lower load on your HVAC and refrigeration equipment.

The E2 gives you the ability to control and operate up to 31 packaged HVAC units from a single controller. These range from simple cooling-only units to complete heating and cooling split systems, or single package systems with multiple stages of heating and cooling. The systems also include night setback programs to allow for optimum control of restaurant areas while always ensuring nighttime temperature setbacks are observed.

The E2 provides much more than HVAC control; it also offers you control for multi-zone irrigation systems. The E2 uses its advanced scheduling capabilities and overrides to handle odd/even or day-of-week watering schedules with rain sensor overrides. That means you never have to purchase additional irrigation controllers.



# ProAct® Monitoring and Facilities Management Services

## Grow Your Business, Not Your Support Centers

Emerson Retail Services, another division of Emerson Climate Technologies, brings a unique blend of experience, technology and data analysis expertise to our comprehensive monitoring and facilities management services. It's a proven combination that lets you more effectively monitor and manage your stores.

Our monitoring and facilities management services are designed specifically to help cut your energy and maintenance costs, while providing you with an enterprise view of your operations, making it easy to connect to and access vital information.

We are trusted by more than 4,000 sites, 24 hours a day, every day, verifying facilities are consistently running at optimum levels.

We deliver our monitoring and facilities management services through our ProAct® monitoring software. We offer everything from full-service monitoring with remote equipment interrogation and resolution to call management of your maintenance and dispatch requests, with custom solutions, ensuring your specific needs are met.

**ProAct® SetPoint Verification** provides an enterprise view that offers you unsurpassed access to refrigeration, HVAC, lighting, and building control system setpoint information. Our reporting alerts let you manage setpoint changes that can cost you energy dollars.

**ProAct® CB Maintenance** uses our patent-pending software to continually collect, analyze and monitor data from your equipment and systems: electronic notifications are generated to you or your third-party providers. We offer optimized queuing that bundles notifications to reduce travel expenses and increase technician productivity.

***CB Maintenance modules include:***

- Compressor Performance Management
- Compressor Fault Detection
- Return Gas Superheat Monitoring

**ProAct® Energy Profiler** is used to produce an “energy target” that predicts each store's total energy usage. Armed with that model, we then compare actual usage with the energy target and provide you with reports you can use to analyze costly increases or decreases in energy usage. This information can also be used to identify service/maintenance issues for more direct scrutiny.

**ProAct® Alarm Management** provides custom responses to building, refrigeration, HVAC and environmental alarm conditions, allowing facility operations to focus on customers.



# ProAct®

## SERVICE LEVEL

	Resolution	Basic	Web Access
<b>Setpoint Verification</b> Receive alerts of unauthorized setpoint changes that cost you energy dollars.	✓	✓	✓
<b>CB Maintenance</b> Patent-pending software continuously collects, analyzes and pinpoints service issues for store systems. Alerts and queuing are automatically delivered to service providers.	✓	✓	✓
<b>Energy Profiler</b> Develop energy targets that predict energy usage on a site-by-site basis and across the enterprise and compare actual to predicted for performance evaluation.	✓	✓	✓
<b>Alarm Management</b> View and aggregate alarms across the chain for total site/enterprise management. Identify stores with higher alarms to gain an insight into performance issues that can be corrected for energy savings.	✓	✓	✓

**Resolution:** An Emerson Certified Technician dials into your store's control system to check the validity of an alarm before notifying and escalating to appropriate personnel to take corrective action. Subscribers have full access to web reports and data tools. Technicians also use Retail Services' patented analysis tools to monitor store conditions and report findings and suggested remedial actions 24/7/365.

**Basic:** Emerson Certified Technicians notify and escalate alarm conditions to appropriate personnel so corrective action can be taken 24/7/365.

**Web Access:** Customer has full access to reporting and trending tools for purpose of self-service reports and analysis via a secure website 24/7/365.





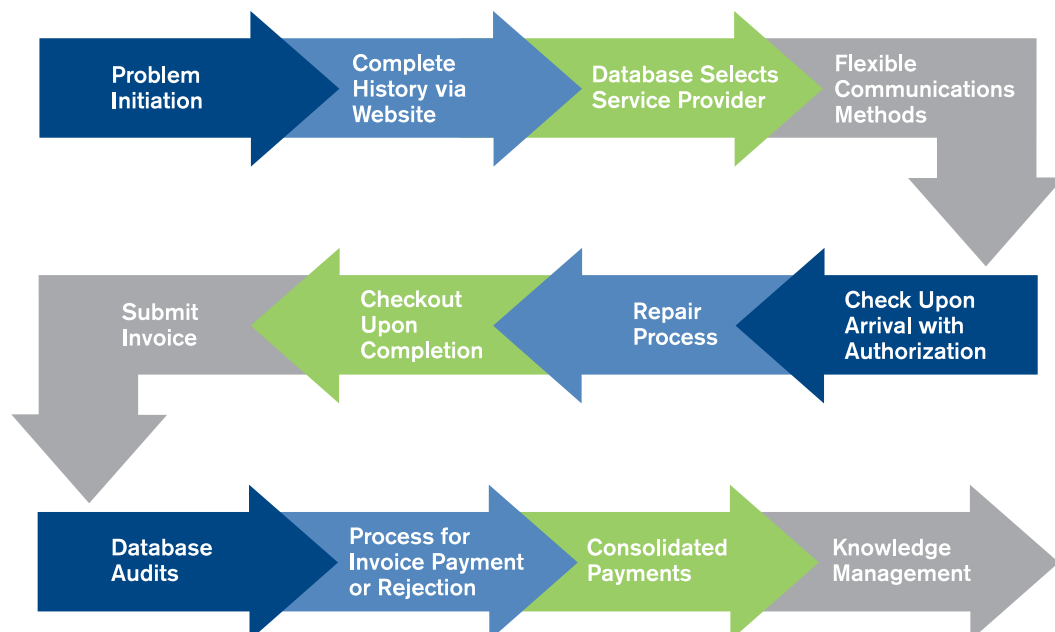


## Call Dispatch Services

Emerson Retail Services Call Dispatch provides you with a centralized response center for all your facility service needs — tapping into technology to help you minimize the total cost of maintaining your facilities and providing added cost predictability for your maintenance budget. We provide everything from call receipt and dispatching to service provider performance management, invoice processing, and management reporting.

With our call center services, you can customize a call center program around your needs. Emerson Retail Services provides 24 hour call center service but we can also provide call center support to supplement your existing call centers or tie into any of our ProAct® services. We will even private label this service to avoid confusion between maintenance and store personnel. This service allows you to have 24-hour uptime in addition to ensuring you will have someone watching over your stores at all times to reduce maintenance expense and effort.

## Call Dispatch Capabilities





# Project Management

## Implement Equipment Upgrade Projects Quickly for Faster Payback

Emerson Retail Services' commitment to helping you optimize your energy usage and expense continues with our comprehensive Project Management services. We can provide you with energy and maintenance project development and design support so we can help you identify your opportunities to move beyond baseline performance levels.

We have a proven track record of success, ranging from condenser fan control upgrades to anti-condensate heater controls, VSD air handler installations, and DDC refrigerated fixture temperature controls. These are by no means the extent of our capabilities. Emerson Retail Services prides itself in tackling unique projects that are tailored to your needs. We partner with our customers to identify projects that will cut costs and provide true savings.

Our Project Management services are as flexible as they are comprehensive. You can select from complete turnkey support or choose options for installation, design, or equipment-only solutions. There's more. We can even provide store-by-store and chain-wide support. Whatever your need, Emerson Retail Services delivers timely project implementation — and faster paybacks on your investment.



The array of Restaurant Automation Services available from CPC and Emerson Retail Services is one more example of the integrated offerings from Emerson Climate Technologies, the recognized leader in advanced HVAC, refrigeration, controls, energy, and maintenance services solutions. Together, the businesses of Emerson Climate Technologies provide broad engineering expertise, innovative product design and testing capabilities and deep retail experience.

Emerson Climate Technologies is a vital part of Emerson's eight brands that also include Process Management, Network Power, Industrial Automation, Appliance Solutions, Motor Technologies, Storage Solutions and Professional Tools.

We also have the strength and stability of Emerson (NYSE: EMR) behind us. Founded in 1890, Emerson, a Fortune 200 corporation has more than 109,000 employees in 320 locations around the world.

It's a combination of resources that allows us to deliver industry-leading support and solutions today—and promise even more innovation tomorrow.



E M E R S O N   C L I M A T E   T E C H N O L O G I E S

### **Control Solutions**

#### **Computer Process Controls (CPC)**

1640 Airport Road, NW  
Suite 104  
Kennesaw, Georgia 30144  
770.425.2724  
CPCUS.com

[EmersonClimateRetail.com](http://EmersonClimateRetail.com)

### **Monitoring, Facilities and Product Management Solutions**

#### **Emerson Retail Services**

1640 Airport Road, NW  
Suite 109  
Kennesaw, Georgia 30144  
770.425.6232  
ERSUS.com

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