

OWNER / MANUFACTURER AGREEMENT

SCHOOL BOARD OF PALM BEACH COUNTY, FLORIDA AND AUTOMATED LOGIC CORPORATION

THIS AGREEMENT, entered into by the SCHOOL BOARD OF PALM BEACH COUNTY, FLORIDA, located at 3300 Forest Hill Boulevard, West Palm Beach, Florida 33406, hereinafter known as the "OWNER", and the AUTOMATED LOGIC CORPORATION, located at 1150 Roberts Boulevard, Kennesaw, Georgia 30144, hereinafter known as the "MANUFACTURER," on this 1ST day of July 2006.

WHEREAS, the Owner is desirous of properly installing and operating a hardware and software system intended to reduce building energy consumption by controlling major energy using equipment in the Owner's buildings; and,

WHEREAS, the "Owner's Engineer," the Engineering Matrix, Inc. has recommended to the Owner that the Owner can benefit from awarding a sole source contract to the Manufacturer because of the unique considerations involved; and,

WHEREAS, the Manufacturer can make available the equipment recommended to the Owner at a reduced price and is desirous of supplying this unique equipment to the Owner for the Owner's projects; and,

WHEREAS, the Owner agrees to order and use the equipment of the Manufacturer at the Manufacturer's reduced price.

NOW, THEREFORE, in consideration of the Owner adopting a sole source agreement with the Manufacturer, and for other good and valuable considerations tendered and received, the Manufacturer agrees:

1. The Manufacturer shall present to the Owner an annual price list containing all items which can and will be delivered and supplied. The price list must contain all items manufactured by the Manufacturer as well as items that can be made available by the Manufacturer. The Manufacturer will advise the Engineer and make available any update on equipment, and such improvements should be compatible to existing systems. The Manufacturer will forward the fixed price list and a fixed multiplier that will offer reductions for equipment produced and/or distributed by the Manufacturer. This price list and multiplier will remain constant for One (1) Year from the date of receipt by the Owner.

The price list shall be submitted to the Owner for approval.

2. The Manufacturer warrants that the equipment purchased by the Owner from the Manufacturer will operate as intended and as advertised.
3. The Manufacturer also agrees to supply technical service support and to train and make available local expertise with ability to assist in the operation, repair, and installation of Manufacturer's equipment. The Manufacturer agrees to establish a Local Dealer within fifty

(50) continental miles of the Palm Beach County boundaries. The Manufacturer warrants that the Local Dealer will fulfill any and all obligations of the Manufacturer, as if the order were placed directly with the Manufacturer. However, the local dealer's obligations will not absolve the Manufacturer from his warranties to the Owner.

If a breach of this contract occurs, then the Owner reserves the right to bring an action against the Manufacturer as well as the Dealer. The purpose of the Local Dealer is to assist at close proximity both deliveries and technical assistance, as may be ordered and required.

4. The Manufacturer will provide to the Owner's designated personnel, training at a comparable level as available to the Manufacturer's dealers. This training will be purchased from the Manufacturer at the Owner's request. The cost of such training will be negotiated at the time of request.
5. The Manufacturer will notify the Owner and Engineer of newly released software versions as they become available, together with a price list cost for any newly released equipment. The Manufacturer must continue to stock and make available parts that may be needed for repairs for a period of ten (10) years after purchase.
6. It is understood by both parties that this agreement does not commit the Owner to purchase any minimum amount of equipment during the term of the Agreement. Purchase of Manufacturer's equipment by the Owner is subject to the availability of funds.
7. Failure by the Manufacturer to deliver the equipment within the time fixed in this Agreement will result in substantial injury to the Owner. As damages arising from such failure cannot be calculated with any degree of certainty, it is hereby agreed that if the equipment is not delivered within the time fixed, the Manufacturer shall pay to the Owner, as liquidated damages for such delay and not as a penalty, \$75.00 for each and every calendar day elapsing between the dated fixed for delivery and the date such delivery shall have been fully received for each purchase order issued. This provision for liquidated damages for delay shall in no manner affect the Owner's right to terminate the Agreement. The Owner's exercise of the right to terminate shall not release the Manufacturer from his obligation to pay liquidated damages.

It is further agreed that the Owner may deduct from any balance the liquidated damages stipulated herein or such portions as said balance will cover.

8. The Manufacturer accepts all responsibility for equipment until received and accepted by the Owner. Damages resulting from shipment and loading or unloading of purchased equipment are the responsibility of the Manufacturer.
9. Manufacturer warrants that the equipment delivered is free of defects and in good operating condition. The Manufacturer understands that an entire system could be held inoperative if any given part ordered by the Owner from the Manufacturer does not operate in accordance with the Manufacturer's warranty and/or as per need of the total system.
10. The Owner shall forward payment for the parts ordered as per the purchase order within sixty (60) days of receipt.

11. The Manufacturer must train and make available a minimum of three (3) local installers (within 50 continental miles of the Palm Beach County boundaries) who will be available during construction or retrofit installation. These installers must be pre-qualified by the Manufacturer as competent, fully trained by the Manufacturer, and familiar with both the operation and installation of the equipment purchased by the Owner.

12. From time to time, technical services may be purchased as needed for the Installation. Any such services will be arranged for by the Manufacturer at a reduced price. The quoted price will be subject to a reduction by a written multiplier applied to the annually submitted price list and will be quoted annually by the Manufacturer to the Owner. This multiplier for services will become part of this contract for the remainder of each year. At the discretion of the Owner, these technical services may be purchased from the Manufacturer. It shall be the responsibility of the Owner and the Owner's Engineer, the Manufacturer and the Manufacturer's installer to delineate responsibilities for the proper planning, purchase, delivery, installation, and servicing of the equipment. This understanding and agreement shall be recognized as part of this contract prior to execution and be incorporated by reference as part of this agreement.


(Refer to Attachment A - Scope of Work)

13. In the event that an installation program is initiated by the Owner and the Manufacturer fails to make available or supply needed equipment to complete the project, then liquidated damages as aforementioned shall remain in effect.

This contract also contains a Glossary and is noted as Attachment B.

The Manufacturer shall comply with all provisions required by federal, state, and local Laws and Regulations.

AUTOMATED LOGIC CORPORATION

By: 
Signature

Name: Gerry Hull
Name Printed or Typed


Date: 6/13/06

SCHOOL BOARD OF PALM BEACH COUNTY, FLORIDA

By: _____
Thomas E. Lynch, Board Chairman

Date: _____

Attest: _____
Arthur C. Johnson, Ph.D., Superintendent

Reviewed and Approved for Form and Legal Sufficiency

Attorney

6/2/06
Date

Part 1

SCOPE OF WORK

- 1.1 The Work shall consist of delivery of all ALC WebCTRL equipment currently offered by Manufacturer and all future software or equipment developed as product line enhancements. Further, the work shall include Technical Services support which encompasses software, configuration engineering, project engineering survey, application engineering, graphics construction, and systems start-up including final wiring terminations, point-to-point checkout, and project documentation required to effectively place the equipment in service. A detailed listing of Technical Services is contained in the Attachments.

The Work shall include the updating of the central and local system operator station software as future equipment items are purchased and added to the current systems. Future additions and expansions shall be engineered to be consistent with the current software version on the Owner's central site system. Copies of such system software revisions shall be sent to the Owner and to the Engineer.

It shall be the responsibility of the Manufacturer to notify the Owner and the Engineer of newly released software versions, the features of such versions, the hardware requirements, for upgrading, and the total cost required to implement the version system wide. All costs associated with such an upgrade are to be included in the modifications; including, but not limited to, hardware changes and operator manuals.

Current technical documentation materials for all newly purchased equipment shall be included as a part of the Work.

Part 2

AGREEMENT TIME COMMENCEMENT AND COMPLETION

- 2.1 The Term of this Agreement shall be five (5) years with the option to renew for an additional five year period.

Manufacturer to notify the Owner at least sixty (60) calendar days prior to end of the Term stating intent to renew Agreement with proposed changes, if any. Renewal notice shall include any terms or conditions that might require annual adjustments as stipulated elsewhere in this Agreement.

Notice of annual Agreement renewal or rejection shall be given to the Manufacturer at least ten (10) Owner work days prior to the expiration of the then current Term. Owner renewal notice to the Manufacturer shall include any terms or conditions or adjustments applicable to the upcoming Term.

Part 3

AGREEMENT SUM

- 3.1 In as much as the total amount of annually purchased equipment cannot be accurately accessed, the basis to be used for computing the Owner's purchase price of Manufacturer's equipment shall be a multiplier times the Manufacturer's Published Price List for each item on any given Purchase Order. This multiplier shall be termed the Equipment Multiplier. Any items not clearly identifiable on the Manufacturer's Published Price List shall be quoted as a separate line item and it shall solely be at the option of the Owner to accept or reject such costs. The Manufacturer will also provide Technical Services application support for complete control systems engineering as defined in Part 1 at a negotiated multiplier times the Manufacturer's Published Price List. This multiplier shall be termed the Technical Services Multiplier.
- 3.2 The Owner and the Manufacturer shall agree each contract renewal period in writing on an Equipment Multiplier to be applied to the Manufacturer's Published Price List. The agreed upon multiplier times the Manufacturer's published price list shall constitute the cost of each item delineated on the Purchase Order to the Manufacturer. (For example, an agreed upon Equipment Multiplier of 0.35 applied to an item listed for \$1,000.00 would cost the Owner \$350.00).
- 3.3 The Owner and the Manufacturer shall agree each contract renewal period, in writing, on a Technical Services Multiplier. This multiplier shall be applied in conjunction with the Equipment Multiplier to the Manufacturer's Published Price List when Technical Services support, as well as equipment is purchased.
- 3.4 The Owner and the Manufacturer shall agree each contract renewal, in writing, on a Construction Multiplier. This multiplier shall be applied in conjunction with the Equipment Multiplier to the Manufacturer's Published Price List when Construction support, as well as equipment is purchased. The Construction Multiplier shall be as follows:

Projects with a list price under \$100,000 - 10% of list price
Projects with a list price between \$100,000 and \$200,000 - 9% of list price
Projects with a list price between \$200,000 and \$300,000 - 8% of list price
Projects with a list price over \$300,000 - 7% of list price

The combination of the three (3) agreed upon multipliers times the Manufacturer's Published Price List shall constitute the cost of each item delineated on the Purchase Order to the Manufacturer.

(For example, an agreed upon Equipment Multiplier of 0.61, an agreed upon Technical Services Multiplier of 0.50, and an agreed upon Construction Multiplier of .09 applied to an item listed for \$1,000.00 would cost the Owner \$1,210.00)

- 3.4 The agreed upon multipliers and a copy of the Manufacturer's Published Price List at the time of Agreement renewal shall be a part of the Agreement renewal submitted for approval by the Owner. The Manufacturer's Published Price List shall be submitted to the District on a yearly basis.

Part 4

DIRECT OWNER PURCHASE MECHANISM

- 4.1 Direct Purchase of Manufacturer's equipment via Owner's Purchase Order shall require a written firm price quote with equipment itemized prior to issuance of Purchase Order.

List prices for each item, as well as the annual Equipment Multiplier~ if applicable, and the final item price shall be shown on the written quote.

The various items shall be added together and a total cost of equipment shown.

Also, a grand total is to be shown which includes an itemized listing of the equipment total, all shipping, handling, taxes, and other pertinent charges.

At the sole discretion of the Owner, a Purchase Order for such direct Purchases in the amount of the firm price quote shall be issued to the Manufacturer.

- 4.2 At the sole discretion of the Owner, Technical Services support may also be purchased at the time of equipment purchase. This requires a written and itemized firm price quote prior to issuance of Purchase Order. List prices for each item as well as the annual Equipment Multiplier, Technical Services Multiplier and construction multiplier, if applicable, and the final item price shall be shown on the written quote. The various items shall be added together and an equipment total cost shown. Also, a grand total is to be shown which includes an itemized listing of the equipment total, all shipping, handling, taxes, and other pertinent changes.

At the sole discretion of the Owner, a Purchase Order for such Direct Purchases in the amount of the firm price quote shall be issued to the Manufacturer.

- 4.3 All equipment ordered shall be delivered by the Manufacturer within sixty (60) days from date of purchase order.

Part 5

WARRANTIES - DIRECT PURCHASE

- 5.1 Warranties of Manufacturer's equipment operation and defects shall be from one (1) year of date of equipment installation and operation which is purchased via Direct Purchase.

The Owner will notify the Manufacturer in writing within ten (10) days of placing equipment in service by stating the serial number, module, and purchase date or a hard copy print out of the "MODSTAT" screen.

- 5.2 Any warranty repairs shall be returned to the Owner within ten (10) days of receipt by Manufacturer.

- 5.3 The warranty is understood to mean the Manufacturer shall repair or replace any defective

components or equipment at no cost to the Owner for one (1) year from the time of installation.

The Manufacturer shall be responsible for return shipment of said material and equipment and the Owner shall be responsible for shipment to the Manufacturer's place of business.

Part 6

INSURANCE REQUIREMENTS

Proof of the following insurance will be furnished by the awarded bidders to the School District of Palm Beach County by Certificate of Insurance.

Original copies of Certificates of Insurance meeting the specific required provision specified within this contract/agreement shall be forwarded to the School District of Palm Beach County's Purchasing Department, ATTN: June L. Brack, Purchasing Agent, and approved prior to the start of any work or the possession of any school property. Renewal certificates must be forwarded to the same department prior to the policy renewal date.

Thirty days written notice must be provided to the School District of Palm Beach County via certified mail in the event of cancellation. The notice must be sent to the Purchasing Department.

The awarded bidders shall provide complete copies of any insurance policy for required coverage within seven days of the date of request by the Purchasing Department.

1. **WORKERS' COMPENSATION:** Bidder(s) must comply with FSS 440, Workers' Compensation and Employees' Liability Insurance with minimum statutory limits.
2. **COMMERCIAL GENERAL LIABILITY:** Awarded bidders shall procure and maintain, for the life of this contract/agreement, Commercial General Liability Insurance. This policy shall provide coverage for death, bodily injury, personal injury, products and completed operations liability and property damage that could arise directly or indirectly from the performance of this agreement. It must be an occurrence form policy. **THE SCHOOL DISTRICT OF PALM BEACH COUNTY SHALL BE NAMED AS AN ADDITIONAL INSURED ON THE CERTIFICATE FOR COMMERCIAL GENERAL LIABILITY INSURANCE.**

The minimum limits of coverage shall be \$1,000,000 per occurrence, Combined, Single Limit for Bodily Injury Liability and Property Damage Liability.

3. **BUSINESS AUTOMOBILE LIABILITY:** Awarded bidders shall procure and maintain, for the life of the contract/agreement, Business Automobile Liability Insurance. **THE SCHOOL DISTRICT OF PALM BEACH COUNTY SHALL BE NAMED AS AN ADDITIONAL INSURED ON THE CERTIFICATE FOR BUSINESS AUTOMOBILE LIABILITY INSURANCE.**

The minimum limits of coverage shall be \$1,000,000 per occurrence, Combined Single Limit for Bodily Injury Liability and Property Damage Liability. This coverage shall be an "Any Auto" form policy. The insurance must be an occurrence form policy.

In the event the contractor does not own any vehicles, we will accept hired and non-owned coverage in the amounts listed above. In addition, we will require an affidavit signed by the contractor indicating the following:

_____ (Company Name) does not own any vehicles. In the event we acquire any vehicles throughout the term of this contract/agreement, _____ (Company Name) agrees to purchase "Any Auto" coverage as of the date of acquisition.

Part 7

PURCHASE MECHANISM THROUGH Purchase Order for Construction Projects

6.1 ISSUANCE OF MANUFACTURER'S PROJECT EQUIPMENT LIST ON BID PROJECTS

The Manufacturer shall review the prints and specifications developed by the Architect/Engineer (A/E) of record on projects which include an Energy Management System (EMS)" within the project Scope of Work as the Contract Bid Documents are available for bid preparations.

The Manufacturer shall issue to the Owner, A/E of record, and all Manufacturers authorized Installing Contractors, a MANUFACTURER'S PROJECT EQUIPMENT LIST.

The Manufacturer is to itemize all necessary equipment that is required to complete the project as defined in the Contract Bid Documents and that is distinctly identifiable on the approved Manufacturer's Published Price List. No items are to be included on the MANUFACTURER'S PROJECT EQUIPMENT LIST unless the item appears on the approved Manufacturer's Published Price List. All other items required to complete such installation are the responsibility of the authorized installing Contractor and are not to be a part of the MANUFACTURER'S PROJECT EQUIPMENT LIST. The MANUFACTURER'S PROJECT EQUIPMENT LIST shall be accompanied by applicable engineering documents to include, but not be limited to, equipment layouts, sensor locations, installation details, and other documentation necessary for the Installing Contractor to bid the project.

The MANUFACTURER'S PROJECT EQUIPMENT LIST is to be distributed to the Owner, A/E of record, and all authorized Installing Contractors within ten (10) Owner working days after the last day of the bid advertisement or as otherwise approved, in writing, by the Owner.

- 6.2 The list price, the Owner's annually agreed upon multipliers, and the final cost of each item are to be included as a part of the MANUFACTURER'S PROJECT EQUIPMENT LIST. The grand total amount of the MANUFACTURER'S PROJECT EQUIPMENT LIST, shall be submitted as a purchase order request to the District from the local dealer.
- 6.3 The Owner shall not be obligated to reimburse the Manufacturer for efforts or materials supplied toward the bid of projects which fail to result in a separate contract.

This shall include, but not be limited to, projects canceled due to "funding out"; no bid and rebid projects.

Part 8

PROGRESS PAYMENTS

- 7.1 Progress payments for purchase of Manufacturer's equipment for Owner shall be made to the local dealer under the terms of the District's purchase order.

Part 9

FINAL PAYMENTS

- 8.1 Final payment shall be made per the purchase order.

Part 10

WARRANTS

- 9.1 Warranties of Manufacturer's equipment: The warranty is understood to mean the Manufacturer shall repair or replace any defective components or equipment at no cost to the Owner for one (1) year from the time of installation.

The Manufacturer shall be responsible for return shipment of said material and equipment and the Owner shall be responsible for shipment to the Manufacturer's place of business.

Part 11

MISCELLANEOUS PROVISIONS

10.1 **REQUIREMENT FOR ESTABLISHMENT OF A LOCAL DEALER**

Firm equipment quotations submitted by the Local Dealer for the purpose of issuing an Owner Purchase Order, shall have the same effect as a direct quote from the Manufacturer MANUFACTURER'S PROJECT EQUIPMENT LISTS distributed to authorized Contractors on bid type projects shall have the same effect as if issued by the Manufacturer.

The role of the Local Dealer shall include, but not be limited to, equipment supplier and those items listed in Part 1. The Local Dealer shall not be allowed to bid on bid type projects as the Installing Contractor of any equipment covered under this agreement on any Owner projects or projects for which the end user is the Owner as stipulated in this Agreement. The Local Dealer shall be required to maintain a minimum stock of items as enumerated in Part 13.

In the event the Manufacturer changes Local Dealers during the Term, the Manufacturer shall submit the name and credentials of the proposed Local Dealer for Owner approval.

Minimum requirements which must be met by any Local Dealer are:

*Manufacturer's equipment training certification

*Meet all Owner Contractor pre-qualification requirements

*Within fifty continental (50) miles of Palm Beach County boundaries

10.2 REQUIREMENT FOR THE ESTABLISHMENT OF LOCAL MANUFACTURER'S AUTHORIZED

INSTALLING CONTRACTORS

Manufacturer herein guarantees that at all times there are a minimum of three (3) authorized Installing Contractors, two (2) of which must have operating offices within fifty continental (50) miles of Palm Beach County boundaries, which are qualified to install the Manufacturer's equipment. The Manufacturer shall submit the name and credentials of authorized Installing Contractors for Owner approval as a part of the sole source contract. Installing Contractors are subject to the pre-qualification policies and procedures established by the Owner. In the event the Manufacturer adds Installing Contractor during the Term, the Manufacturer shall submit the name and credentials of the proposed Installing contractor to the Owner for approval.

10.3 AGREEMENT INTERPRETATION

This agreement, and all of its terms and provisions, shall be construed in accordance with and governed by the laws of the state of Florida. If any suit is brought by either of the parties hereto against the other, such suit shall be maintained in Palm Beach County, Florida.

10.4 TERMINATION OF AGREEMENT

This agreement may be terminated by either party upon ten (10) Owner work days written notice that the other party failed substantially to perform in accordance with the terms and conditions of their agreement through no fault of the party initiating termination.

The party alleged to have substantially failed to meet the terms of this Agreement, shall have to rectify ten (10) work days Owner performance.

This Agreement may be terminated by the Owner upon thirty (30) calendar days written notice. All warranties and other conditions of this Agreement shall survive termination of Agreement.

10.5 PROHIBITION AGAINST CONTINGENT FEE

The Manufacturer warrants that he has not employed or retained *any* company or person, other than a bona fide employee working solely for the Manufacturer, to solicit or secure this Agreement, and that he has not paid nor agreed to pay *any* person, company, corporation, individual or firm, other than a bona fide employee working solely for the

Manufacturer, *any* fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this agreement (§287.055, Fla. Stat.). For a breach or violation of this provision, the Owner shall have the right to terminate the agreement without liability and, at its discretion, deduct from the contract price or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.

10.6 ASSIGNMENT OF AGREEMENT

The Manufacturer shall not assign or transfer by operation of law or otherwise *any* or all of its rights, burdens, duties, or obligations without the prior written consent of the Owner, and of the surety on Contract bond, if any. Should the Manufacturer be allowed to assign any agreement awarded, *any* such assignment shall not operate to increase the cost nor to reduce the obligations owed to the Owner. The Owner will not enter into a separate agreement with the assignee.

10.7 FINANCIAL STATEMENT

This Agreement shall not become effective until the Manufacturer provides to the Owner and a separate copy to the Engineer the most current end of year financial statement certified by a Certified Public Accountant demonstrating that the Manufacturer has a net worth in excess of \$1,000,000.00.

The most recent, end of year, Financial Statement shall be submitted to the Owner as a part of the Annual Contract Renewal.

10.8 BANKRUPTCY BY MANUFACTURER

If the Manufacturer shall be adjudged bankrupt, or make a general assignment for the benefit of his creditors, or a receiver should be appointed on account of its insolvency, or a petition of bankruptcy should be filed against the Manufacturer and by thereof progress of the Work should be materially interrupted or delayed, then in that event the Owner may, without prejudice to any right or remedy, and after giving the Manufacturer five (5) calendar days notice in writing, terminate the Agreement with the Manufacturer and finish the work by whatever method the Owner may deem expedient. In such case the Manufacturer shall not be entitled to receive any payment until the work is wholly finished. If the cost of purchased equipment from the Manufacturer and subsequent debt due the Manufacturer shall exceed the expense of finishing the Work, such excess shall be paid to the Manufacturer. If the expense shall exceed monies due the Manufacturer, the Manufacturer shall pay the difference to the Owner.

10.9 FEDERALLY FUNDED PROJECTS

The Manufacturer shall comply with all provisions as stated in Part 12 for any projects which in part or in whole receive Federal funds for completion.

Part 12

DETAILED LISTING OF TECHNICAL SERVICES

11.1 INTRODUCTION

The successful completion of any EMS Project requires that a number of tasks be completed. The following outlines the responsibility of the Technical Services Representative.

Note: The term Technical Services Representative in this document refers to the Manufacturer's representative whom is responsible for providing Technical Services in support of installing and placing an EMS system in service.

11.2 PREPARATORY PHASE RESPONSIBILITIES

- The Technical Services Representative shall Review Proposals, Specifications, Prints, Estimate, Contract, etc..
- Collect all available data for the job:
 - Area map
 - site plan
 - Construction documents, as necessary:
(for layout and wire run estimating,
for overall control strategy determination, and for detailed control design)
 - Specifications
 - Fire escape route maps--multiple copies (for field notes)
 - Sequence of operation, as required
- Obtain a list of Owner requirements
 - Safeties, interlocks, etc. which must be maintained
 - Any special override capability
 - General fail status for all equipment General setpoints, schedules, operating ranges

11.3 FIELD WORK PHASE RESPONSIBILITIES

The Technical Services Representative shall

- Meet with local representative (building manager, custodian, maintenance personnel, etc.) for general tour of site, establish access to locked areas, be introduced to occupants as required, etc.
- Locate all existing equipment, controls, etc.
- Identify existing zone boundaries. Determine if they can be used as is or if new zoning must be established.

- Select Function Blocks to provide the desired control for the zones. Coordinate with the Owner and/or Engineer, as needed.
- Locate, field check, and tag all field breaks.
- Identify (and mark on floor plans) mounting locations for all sensors, modules, control devices, etc.
- Mark preferred wire runs for all communication, signal, and power wiring on floor plans. Special considerations i. e., floor penetrations, fire wall penetrations, areas where special dust control measures will be required, etc. should be noted.

11.4 ENGINEERING RESPONSIBILITIES

The Technical Services Representative shall

- Combine function blocks based on how they fit into the modules and the physical location in relation to the zones. (Consider the economics of long wiring runs vs. localized mounting of modules, power supplies, etc.)
- Review selected control strategy with all parties who must approve BEFORE preparing the detailed engineering package.
- Prepare and submit to the Manufacturer detailed engineering package including
 - Area map
 - Site plan
 - Zone maps
 - Programming sheets
 - Module cover sheets
 - Material Order
- Prepare a complete bill of materials for the job.
- Prepare the installers package including
 - Wire maps with wire runs (if used)
 - Wire colors and marker numbers
 - Sensor locations
 - Module locations
 - Field break index and maps (if used)
 - Standard termination details (if used)
- Prepare start-up/check-out package
 - Copy of complete installers package
 - Notes on parameters
 - Notes on schedules

- Notes on setpoints
- Owner's special requirements

11.5 RESPONSIBILITIES IN THE EVENT OF DESIGN CHANGES

The Technical Services Technician shall

- Get approvals as required, for design changes and interact with the Manufacturer to accomplish these changes.
- Contact the Manufacturer system support engineer as soon as a change is noted, to facilitate making the adjustment as early as possible in the process to minimize additional costs.

11.6 RESPONSIBILITIES UPON RECEIVING THE EQUIPMENT

The Technical Services Representative shall

- Check the order to make sure all items ordered were received.
- Separate the shipment into field equipment and central site equipment.
- Check central site equipment before taking to project site
- Load and check all variables
- Confirm that the graphics provided match what was defined in the engineering package

11.7 RESPONSIBILITIES REGARDING CENTRAL SITE EQUIPMENT

The Technical Services Representative shall

- Install equipment at the job site
- Check for proper operation
- Do a complete high and low format on the hard-disk
- Reinstall all system and User files
- Provide a mini-demo of the system to the Owner Representative

11.8 RESPONSIBILITIES REGARDING FIELD EQUIPMENT

The Technical Services Representative shall

- Supervise the mounting of modules in locations provided by the installer.
- Supervise all final field and power terminations
- Power up the modules and verify correct power operation Complete a point-to-point operational check
- Verify all LAN and phone communications
- Verify operation of all function blocks

11.9 RECORD DRAWING RESPONSIBILITIES

The responsibility of the Technical Services Representative is to see that the Owner gets three (3) complete sets of record drawings. This requires coordination with sales,

installation and check-out people. Any and all changes in the project design package shall be reflected in the Owner's record drawings before sign off and acceptance by the Owner.

11.10 SIGN OFF AND ACCEPTANCE RESPONSIBILITIES

Once the job is installed and checked by the Technical Services Representative, it will be necessary to prove to the Owner that project specifications have been met. The Technical Services Representative shall demonstrate proper operation of each module and function block to the Owner using the portable computer. The Owner will sign off on the acceptance form only after the complete system has been proven to the satisfaction of the Owner.

Part 13

SUPPLEMENTAL PROVISIONS FOR FEDERALLY FUNDED PROJECTS DAVIS-BACON WAGE DETERMINATION

12.1 GENERAL

- A. This project is being implemented with a portion of the construction dollars being granted by the Federal Government. Therefore, the labor standards and clauses" as called out in Title 29 of the CFR, section 5.5 (a), are included herein by reference and will be applicable to the contract between the Owner and the Contractor.
- B. This project has met the criteria for compliance with the Davis Bacon Wage requirements per the following:
 - 1. The total cost of the grant project is for more than \$5,000, excluding costs for the energy audit, the technical assistance program and the engineering and design work and;
 - 2. The individual construction contract is for greater than \$2,000.

All contracts over \$2,000 on projects over \$5,000 must comply with the Davis-Bacon Act, while those let on projects less than \$5,000 need not comply regardless of the contract amount.

12.2 MINIMUM WAGE

- A. All mechanics and laborers employed or working shall be paid not less than the full amounts due at the time of payment computed at wage rates as per the wage determination decision of the Secretary of Labor. The most current wage determination for this county shall be used for the purposes of this Agreement.
- B. The wage determination decision is to be posted by the Contractor at the site of the work in a prominent place where it can be easily seen by the workers.

12.3 PAYROLLS AND BASIC RECORDS

- A. Payrolls and basic records relating to this project will be maintained during the course of the work and preserved for a period of three years thereafter. These records would be for all laborers and mechanics working at the site of the work and will contain the name and address of each such employee, their correct classification, rate of pay, daily and weekly number of hours worked, deductions, and actual wages paid. A sample Federal Form (WH-347 Payroll Form for Weekly "Statement of Compliance") for use in reporting this information is contained within these specifications as a part hereof. The information is a requirement under this contract and the Copeland regulations of the Secretary of Labor (29 CFR, Part 3 is incorporated herein by reference).
- B. The Contractor will submit the completed information to the Owner or Engineer for inclusion in the required files. This report shall include the signature of the Contractor indicating compliance with the wage rate contained in this specification and that payroll records are correct and complete to the best of their knowledge.

12.4 SUBCONTRACTOR

- A. The Contractor will be responsible for the submission of these same requirements by all subcontractors, to the Owner or Engineer, for inclusion in the required files.
- B. The Contractor will insert in any subcontracts the clauses contained in 29 CFR 5.5 (a) (1) through (5) and (7), and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

12.5 COPELAND REGULATIONS "ANTI-KICKBACK ACT" (29 CFR, PART 3)

- A. The contractor shall comply with the Copeland Regulations of the Secretary of Labor herein incorporated by reference.
- B. Each Contractor, Subcontractor, or supplier shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of this facility, to give UI any part of the compensation to which he is otherwise entitled.

12.6 CONTRACT TERMINATION DEBARMENT

- A. A breach of the clauses as outlined in 29 CFR 5.5 (a) may be grounds for termination of the contract, and for debarment as provided in 29 CFR 5.6.
- B. Contractors who are currently on the Federal or state list of debarred contractors are not eligible to bid on this contract.

12.7 EOUAL EMPLOYMENT OPPORTUNITY

- A. The Contractor and all subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or age. The Contractor shall take affirmative action to insure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, color, sex, national origin, or age. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertisement, lay-off or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the policies of nondiscrimination.

The Contractor and all subcontractors shall, in all solicitations or advertisements for employees placed by them or on their behalf; state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin, or age.

This employment policy must comply with Executive Order 11246, entitled "Equal Employment Opportunity" AS AMENDED BY EXECUTIVE Order 11375, and as supplemented in Department of Labor regulations (41 CFR, Part 60).

12.8 THE CLEAN AIR ACT AND THE FEDERAL WATER POLLUTION CONTROL ACT

- A. For projects of \$100,000 or more, the Contractor and all subcontractors shall agree to comply with applicable standards, orders, or regulations issued pursuant to the Clean Air Act of 1970 (42 USC 1856 et seq.) and the Federal Water Pollution Control Act (33 USC 1251 et seq.) as amended. Violations shall be reported to the Governor's Energy Office and the Regional Office of the Environmental Protection Agency.

12.9 CERTIFICATE OF NONSEGREGATED FACILITIES

By entering into an agreement related to the services described in this Agreement, the MANUFACTURER certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform services at any location under its control where segregated facilities are maintained. The MANUFACTURER further certifies that it will not maintain or provide for its employees any segregated facilities at any of its establishments and that it will not permit its employees to perform services at any location under its control where segregated facilities are maintained. The MANUFACTURER agrees that a breach of this certification is a violation of Paragraph 9, "Equal Opportunity Employer." As used herein, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees on the basis of race, color, religion, age or national origin because of habit, local custom, or otherwise.

12.10 ACCESS TO RECORDS

With reference to projects utilizing NECPA monies only:

The MANUFACTURER is to retain project records for three (3) year after receipt of Final Payment and for three (3) years after any pending matters have been closed.

The MANUFACTURER agrees to allow duly authorized representatives of the OWNER, Governor's Energy Office, the Auditor General of the State of Florida, U. S. Department of Energy, or the Comptroller General of the United States access to any books, documents, papers and records of the MANUFACTURER which are directly pertinent to this Agreement for the purpose of making audits, excerpts, and examinations.

Palm Beach County
U.S. Department of Labor

	Basic Rates	Hourly	Fringe Benefits
BRICKLAYERS AND BLOCKMASONS	13.55		
CARPENTERS	10.45		
CEMENT MASONS	10.00		
DRYWALLS HANGERS	10.56		
DRYWALL FINISHERS	11.96		
ELECTRICIANS	11.58		1.76
ELEVATOR CONSTRUCTORS			
MECHANICS	15.99		3.58+A&B
HELPERS	11.19		3.58+A&B
PROBATIONARY HELPERS	7.95		
GLAZIERS	9.61		
HEATING, VENTILATING AND AIR CONDITIONING MECHANICS	9.79		
IRONWORKERS	14.60		
LABORERS	6.65		
MASON TENDERS	7.17		
PIPELAYERS	8.74		
PLASTERER TENDERS	8.67		
LATHERS	11.00		
PAINTERS:			
BRUSH	10.53		1.55
SPRAY	11.03		1.55
PLASTERERS	13.51		
PLUMBERS AND PIPEFITTERS (EXCLUDING HEATING, VETINLATING, AND AIR CONDITIONING)	11.20		2.15
ROOFERS	9.42		
SHEET METAL WORKERS (EXCLUDING HEATING, VENTILATING, AND AIR CONDITIONG)	11.31		
SPRINKLER FITTERS	10.95		.84
SOFT FLOOR LAYERS	15.00		
TILE SETTERS	14.10		1.74
WATERPROOFERS	16.25		2.01
TRUCK DRIVERS	6.73		
WELDERS – RATE FOR CRAFT TO WHICH THE WELDING IS INCIDENTAL. POWER EQUIPMENT OPERATORS:			
BACKHOE	8.87		
BULLDOZER	8.11		
CRANER	11.64		
GRADER	8.78		
LOADER	8.25		
ROLLER / COMPACTOR	6.50		
TRACTOR	7.48		

Unlisted classifications needed for work not included within the scope of the classifications listed may not be added after award only as provided in the labor standards contract clauses (29 CFR 5.5 (a) (1))

Part 13

DETAILED LISTING OF REQUIRED INVENTORY OF THE LOCAL DEALER

Gateway Communication Module (2)
MX8102NX Module (2)
MX040 Module (2)
MX400 Module (2)
ZN341v+ Module (2)
Zone Sensor (10)
Duct Sensor (6)
Outside Air Sensor (2)
Immersion Sensor (6)
Lightning Protector (6)

Part 14

**TERMS AND CONDITIONS OF
FIVE (5) YEAR CONTRACT**

MANUFACTURER:	Automated Logic Corporation
ANNUAL EQUIPMENT MULTIPLIER:	61% of List Price
TECHNICAL SERVICES MULTIPLIER:	50% of List Price
CONSTRUCTION MULTIPLIER:	
Project with list price Under \$100K and <\$200K	10% of List Price 9%
Project with list price Between \$200K and <\$300K	8%
Project with list price <\$300K and higher	7%

MANUFACTURER'S CURRENT PUBLISHED PRICE LIST (ATTACHED).

MANUFACTURER'S AUTHORIZED LOCAL DEALER FOR PALM BEACH COUNTY:

NAME: Wisch & Jackson Company of Florida Inc.
ADDRESS: 725 N A1A UNIT D-105
JUPITER, FL 33477-9513
CONTACT: Robert Vlastos, President

MANUFACTURER'S AUTHORIZED INSTALLING CONTRACTORS:

1. NAME: Arrow Electric Company
ADDRESS: 501 Palm Street, West Palm Beach, FL 33401
PHONE: (407) 659-3600
CONTACT: James Eason/Kevin Eason
STATE OF FLORIDA LICENSE NUMBER: ER-0009879

2. NAME: R.A.O. Electric Company
ADDRESS: 6670B White Drive, West Palm Beach, FL 33407
PHONE: (561) 848-4100
CONTACT: Richard Mirabilio/Joe Rao
STATE OF FLORIDA LICENSE NUMBER: EC-0000135

3. NAME: Godfrey Electric Company
ADDRESS: 1222 Omar Road, West Palm Beach, FL 33405
PHONE: (561) 833-3753
CONTACT: Albert G. Godfrey, Jr.
STATE OF FLORIDA LICENSE NUMBER: EC-0000619

4. NAME: Stratton Electric, Inc.
ADDRESS: 7546 Enterprise Drive, West Palm Beach, FL 33404
PHONE: (561) 848-1010
CONTACT: Ellis Baird
STATE OF FLORIDA LICENSE NUMBER: EC-13002778

5. NAME: _____
ADDRESS: _____
PHONE: _____
CONTACT: _____
STATE OF FLORIDA LICENSE NUMBER: _____

SUBMIT ADDITIONAL PAGES FOR ADDITIONAL CONTRACTORS, IF NECESSARY.

Glossary of Terms

Energy Management System (EMS): A hardware and software system intended to reduce building energy consumption and/or demand by controlling major energy using equipment within the building.

Equipment Multiplier: The annually agreed upon factor applied to the equipment price as listed in the Manufacturer's Published Price List.

Installing Contractor or Authorized Installing Contractor: Contractors qualified by the Manufacturer and approved by the Owner to install the Manufacturer's equipment.

Local Dealer: The Manufacturer's local authorized factory representative.

Manufacturer's Project Equipment List: The equipment list prepared by the local dealer from Bid Documents including an EMS. This list is reviewed by the Owner and A/E of record for content. Installing Contractor's use the Project Equipment List to prepare a bid for installation of the project.

Manufacturer's Published Price List: The published retail price list supplied by the Manufacturer, renewed annually as a part of the Agreement.

Technical Services Multiplier: The annually agreed upon factor applied in conjunction with the Equipment Multiplier to the Manufacturer's Published Price List when purchasing Technical Services in addition to the equipment.

Technical Services Representative: The Manufacturer's representative responsible for providing Technical Services.

AUTOMATED LOGIC
CORPORATION

Price List

Effective July 1, 2005

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ALC System Pricing

The following pricing will be used for all orders placed after July 1, 2005.

Included in the price of each ALC Control Module are the services for applications engineering, programming, and graphics. To make sure you are receiving the most of these valuable services, please review the following.

It is the policy of Automated Logic Corporation to maintain a competitively designed product. Therefore, specifications of products included in this document may change without notice.

Graphics Engineering

Graphics Development:

Fully detailed graphics are part of every system shipped by ALC. Standard graphic features include the following:

1. One aerial map or owner's logo.
2. One summary thermographic floor plan per LAN.
3. One thermographic floor plan for each building(s) floor(s).
4. One equipment schematic diagram per piece of HVAC equipment (or zone) being controlled.

Proper graphic detail can be ensured by making sure all orders include the following:

1. Detailed aerial map or color version of owner's logo.
2. Detailed floor plans with HVAC zones clearly marked.
3. Detailed specifications of HVAC equipment being controlled.
4. If all the database configuration was created by the dealer, a floppy disk containing all user files (including any custom Function Blocks that have been created) should accompany the order.

Software Products

WebCTRL Features:

Consult with your local ALC authorized Systems and Service Provider for server and client specifications.

There are two editions of WebCTRL Software: WebCTRL and WebCTRL-500
The table below highlights the features and options supported by each edition.

<i>Edition</i>	<i>WebCTRL</i>	<i>WebCTRL-500</i>
Number of simultaneous users supported	Unlimited	Unlimited
Number of points* supported	Unlimited	500
Runs on MS Windows, Red Hat Linux or Sun Solaris	Yes	Yes
Includes MS Access compatible database	Yes	Yes
Supports other JDBC compliant databases	Yes	Yes
Supports web appliances (Palm Pilot, cell phones, etc.)	Yes	Yes
Supports BACnet (TCP/IP)	Yes	Yes
Supports 3rd party integration	Yes	Yes
Includes Alarm and Event Management capabilities	Yes	Yes
Includes Eikon graphic programming tool	Yes	Yes
Includes Viewbuilder graphic assembly tool	Yes	Yes
Custom Reporting	See Optional "Advanced Reporting" below	
Location Dependent and Support for 21 CFR 11	See Optional "Advanced Security" below	
Send SNMP trap; External DB Write; Write BACnet property; Alarm Popup	See Optional "Advanced Alarming" below	
Data exchange via XML/SOAP (web services)	See Optional "Enterprise Integration" below	

* Points include ALC I/O points; integrated 3rd party points; Display Object points

WebCTRL Pricing:

List Price

WebCTRL (Part # WC)	\$ 9,050
WebCTRL-500 (Part # WC500)	\$ 1,930

Optional WebCTRL "Packages":

ADVREP	Advanced Reporting	\$1,383
ADVSEC	Advanced Security	\$2,075
ADVADM	Advanced Alarming	\$1,375
ENTINT	Enterprise Integration	\$3,450

Graphic Programming Tools

Both WebCTRL and WebCTRL-500 include the graphic programming tools required to engineer a job (EIKON, Sitebuilder, and Viewbuilder). The WebCTRL graphic programming tools require MS Windows 2000 or XP.

Viewbuilder is used to assemble web pages. The graphic symbols to be assembled by Viewbuilder can be created in any graphic software program which generates .gif files. A variety of Graphic Software products which create .gif files can be purchased locally through computer stores. Automated Logic Corporation is not a reseller of "over the counter" software products.

Hardware Products

Communication Router Products

24 month warranty

Product	Description	List Price
AAR	Designed to expand or segment high speed ARCNET 156Kbps networks.	\$415
LGR25	High Performance BACnet Router with Gateway Provides various BACnet network routing capability; serves as BACnet Gateway for up to 25 third party points	\$2,275
LGR1000	High Performance BACnet Router with Gateway Provides various BACnet network routing capability; serves as BACnet Gateway for up to 1000 third party points	\$5,615
ME-LGR25	See page 7	
ME-LGR200	See page 7	

Local Operator Interface

24 month warranty

BACVIEW1	Local Operator Interface & Display (2x16 LCD).....	\$689
BACVIEW2	Local Operator Interface & Display (4x40 LCD).....	\$1,378
BACVIEW6	Local Operator Interface & Display (4x40 LCD).....	\$1,378
BVSX	Bacview Extender (<i>note: two units required for extension</i>).....	\$179

Single Equipment Control Modules

24 month warranty

SE6104	Control Module (6 DOs, 10 UIs, 4 AOs).....	\$1,450
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Multi-Purpose Module: Processor/Router/Gateway 24 month warranty

Product	Description	List Price
ME-LGR25	Multi-Purpose Device with 25 point gateway.....	\$2,895
ME-LGR200	Multi-Purpose Device with 200 point gateway.....	\$6,235

Supports up to six (6) point expanders; provides BACnet network routing; serves as BACnet gateway for 25 or 200 third party points respectively.

Multi-Equipment Control Modules

24 month warranty

Product	Description	List Price
M0100	Control Module (10 UIs)	\$1,791
M01010PNX	Control Module (10 UIs, 10 pneumatic outputs) non-expandable.....	\$4,685
M220NX	Control Module (2 DOs, 2 UIs) non-expandable	\$868
M4106NX	Control Module (4 DOs, 10 UIs, 6 AOs) non-expandable	\$2,756
M4106P	Control Module (4 DOs, 10 UIs, 6 pneumatic outputs)	\$4,892
M4106	Control Module (4 DOs, 10 UIs, 6 AOs).....	\$4,960
M880NX	Control Module (8 DOs, 8 UIs) Non-expandable.....	\$2,240
M8102NX	Control Module (8 DOs, 10 UIs, 2 AOs) non-expandable	\$2,687
M8102	Control Module (8 DOs, 10 UIs, 2 AOs).....	\$4,823
M16160	Control Module (16 DOs, 16 UIs)	\$3,720
M0320	Control Module (32 UIs)	\$3,100
MECPU	CPU Module (32-bit processor, 8MB memory supports 6 point expanders).....	\$1,526
MX0160	Point Expander (16 UIs)	\$1,543
MX0320	Point Expander (32 UIs)	\$2,645
MX040	Point Expander (4 UIs)	\$427
MX080	Point Expander (8 UIs)	\$854
MX1600	Point Expander (16 DOs)	\$1,875
MX16160	Point Expander (16 DOs, 16 UIs).....	\$3,307
MX400	Point Expander (4 DOs)	\$510
MX4106	Point Expander (4 DOs, 10 UIs, 6 AOs).....	\$4,410
MX4106P	Point Expander (4 DOs, 10 UIs, 6 pneumatic outputs)	\$4,410
MX440	Point Expander (4 DOs, 4 UIs).....	\$930
MX800	Point Expander (8 DOs)	\$1,025
MX8102	Point Expander (8 DOs, 10 UIs, 2 AOs).....	\$4,065
MX880	Point Expander (8 DOs, 8 UIs).....	\$1,853

Zone Control Modules

24 month warranty

Product	Description	List Price
ZN551	Controller for heat pumps, fan coil units and other packaged HVAC applications (5 DOs, 5 UIs, 1 AO)	\$445
ZN253	Controller for heat pumps, fan coil units and other packaged HVAC applications (2 DOs, 5 UIs, 3 AO's).....	\$530
ZN220	Controller for terminal units and miscellaneous control points (i.e. lighting, exhaust fans and water heaters 2 DOs, 2 UIs).....	\$265
ZN341V+	Controller for pressure independent VAV applications. Includes integral actuator and precision air flow sensor (3 DOs, 4 UIs, 1 AO's).....	\$585
ZN141V+	Controller for pressure independent VAV applications. Includes integral actuator and precision air flow sensor (1 DOs, 4 UIs, 1 AO's).....	\$551

Unitary Control Modules

24 month warranty*

Product	Description	List Price
UNI/32	U-Line network interface (drives up to 32 controllers; supports legacy CMnet but does not support T-Cards).....	\$965
UNI/16	U-Line network interface (drives up to 16 controllers; supports legacy CMnet but does not support T-Cards).....	\$551
U341v+	Controller for pressure independent VAV applications. Includes integral actuator and precision air flow sensor. (3 DOs, 4 UIs, 1 AO)	\$535
U141v+	Controller for pressure independent VAV applications. Includes integral actuator and precision air flow sensor. (1 DO, 4 UIs, 1 AO)	\$506
U341v	Controller for pressure independent VAV applications. Includes integral precision air flow sensor only. Requires external actuator. (3 DOs, 4 UIs, 1 AO)	\$460
U253	Controller for unit ventilators and other packaged HVAC applications. (2 DOs, 5 UIs, 3 AOs).....	\$446
	<i>U253 is compatible with USF/UDF optional air flow sensor for pressure independent VAV application.</i>	
U220	Controller for exhaust fans, unit heaters and domestic water heaters (2DOs, 2UIs).....	\$225
U551	Controller for heat pumps, fan coil units and other packaged HVAC applications. (5DOs, 5 UIs, 1 AO)	\$375
	<i>U551 is compatible with USF/UDF optional air flow sensor for pressure independent VAV applications.</i>	
UASF	Designed for use with the U341v+ dual duct applications. Includes precision air flow sensor and integral actuator	\$262
USF	U-line single air flow board, plugs directly into U253 or U551 controller.....	\$165
UDF	U-line dual air flow board, plugs directly into U253 or U551 controller	\$395

Third Party Interfaces

24 month warranty

Product	Description	List Price
Trane	Trane BACnet BCU Interface	\$2,200
York	York Chiller BACnet XL Communications Gateway Interface.....	\$2,200
York2	York Chiller YorkTalk XL Communications Gateway Interface.....	\$5,600
Carrier	Carrier Chiller BACnet Interface.....	\$2,200
Carrier2	Carrier Chiller Dataport 1 Interface	\$5,600
McQuay	McQuay Chiller BACdrop Interface	\$2,200
McQuay2	McQuay Chiller OPM Interface.....	\$5,600

Ancillary ARCNET156 and EIA-485 Boards

24 month warranty

Product	Description	List Price
DIAG485	Diagnostics Board for ARCNET 156Kbps over EIA-485, or regular EIA-485 (Includes two (2) terminator resistors)	\$130
REP485	Repeater Board for ARCNET 156Kbps over EIA-485, or regular EIA-485.....	\$180
PROT485	Protection Board for ARCNET 156Kbps over EIA-485, for U-net, or for regular EIA-485 (PROT485 replaces NWPB for legacy CMnet protection)	\$75
TNPB	T-net Protection Board	\$115
FIBER485	Fiber Optic Converter, converts ARCNET 156Kbps (EIA-485) to fiber.....	\$570
FIBER485T	Fiber Optic Converter with "T" off (daisy chain) for the EIA-485.....	\$690
TERM485	Termination Resistor for ARCNET 156Kbps over EIA-485, or regular EIA-485 (25 pk)	\$55

APT & Cable Assemblies

90 day warranty

APT	APT mini-DIN connector module for EXEC 6.x and 5.x modules* (Includes 235019, 235020 235044, and 235027 cables listed below, 270006 Transformer and S2-DB9 adapter).....	\$144
235019	Cable for APT, from APT to Exec 6.x /5.x modules*, (8 pin mini-DIN to 8 pin mini-DIN).....	\$10
235020	Cable for APT, from APT to computer EIA-232 port, (9 pin sub-D to 9 pin sub-D)	\$10
235021	Cable for APT, from 235019 to Exec 4.x modules*, (8 pin mini-DIN to 5 pin in-line).....	\$10
235022	Cable for APT, from 235019 to LogiStat port, (8 pin mini-DIN to 4 pin in-line).....	\$10
235027	PS2 power port cable	\$9

235044	Cable for APT, from 235019 to 5 pin 'Rnet' connector on certain Exec. B modules with 'Rnet' ports	\$25
270006	Power Transformer for APT (5VDC 300mA)	\$20
S2-DB9	Adapter for 'R-net' to 9 pin serial connection.....	\$48
GXEXP	24" Cable to extend MX Module (9 Pin Female to 9 Pin Female)	\$49.50

Null Modem, Modem & BACview® Cable Assemblies 90 day warranty

235018	BACview extension ribbon cable, 3 feet.....	\$16
DC99	Null modem cable, (9 pin sub-D female to 9 pin sub-D female), connects computer EIA-232 to LGRM-E, LGE, LGL, LGC communication routers	\$49.50
DC95	Null modem cable, (25 pin sub-D female to 9 pin sub-D female), connects EIA-232 to LGRM-E, LGE, LGL, LGC communication routers.....	\$49.50

Training Programs

Automated Logic offers three types of end user training:

- CD-based training (available through your local Systems and Service Provider)
 - WCFT-1 Field Training 1
 - WCFT-2 Field Training 2
 - WCBT Operator Training
- In-house training (the student travels to Atlanta) and,
- On-site training (the instructor travels to the student's location).

Registration for in-house training is done through your local ALC Systems and Service Provider.

For on-site training, contact your local ALC Systems and Service Provider for a quote. (Note: each on-site training course is considered to be a custom course and prices will vary depending on instructor availability, time of year, etc.)

Previous Generation Hardware

*It is Automated Logic's policy to make previous generation hardware available for as long as the product can be built. The availability of this hardware is subject to change based on the availability of components from our suppliers, the product demand, the availability of direct product substitutions, and other like factors. **SINCE THESE PRODUCTS ARE VERY LOW VOLUMES, TYPICAL SALES ORDER LEAD-TIME IS 10 TO 12 WEEKS. THESE PRODUCTS ARE FOR REPLACEMENT ONLY AND NOT TO BE USED IN NEW SYSTEMS.***

Communication Router Products

24 month warranty

Product Description

List Price

UNI/59	U-Line or T-Line network interface (drives up to 59 controllers; supports legacy CMnet)	\$4,960.80
LGE	Compact Ethernet Router ARCNET 156Kbps BACnet communication, supports up to 98 controllers	\$2,070
LGRM-E	High Performance Rack Mount Ethernet Router ARCNET 156Kbps BACnet communication, supports up to 98 controllers, standard 19" rack mount enclosure.....	\$4,135

Single Equipment Control Modules

24 month warranty

S6104	Rooftop/AHU controller (6-DOs, 10 UIs, 4 AOs)	\$1,584.70
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Temperature Sensors

All temperature sensors are manufactured for Automated Logic Corporation by Building Automation Products, Inc. (BAPI).

I. 10,000 OHM Thermistor @ 77F, +/- .36F Interchangeability		24 month warranty
Product	Description	List Price
ATR01	ALC 10k Space Temperature Sensor - Delta style cover	\$13
ATR02	ALC LogiStat Base Model Room Sensor w/LogiPort - Delta style cover	\$20
ATR03	ALC LogiStat Room Sensor w/setpoint adjust, override pushbutton & LogiPort	\$25
ATR04	ALC LogiStat Flush Room Sensor - Stainless Steel Plate - w/hidden LogiPort.....	\$25
ATR05	ALC 10k Space Temperature Sensor - Stainless Steel Flush Mount	\$13
ATR06	ALC Combo 10k Space Temp Sensor for use on "Rnet"	\$190
ATR07	RS Standard Space Temperature Sensor for use on "Rnet"	\$32
ATR08	RS Pro Space Temperature Sensor for use on "Rnet" w/o LCD – w/slide-pot set-point adj and override	\$40
ATR09	RS Pro Space Temperature Sensor for use on "Rnet" w/ LCD display, set-point adj and override	\$60
ATD01	ALC 10k Duct Temperature Sensor - 4", 8", 12" or 18"	\$17.70
ATD02	ALC 10k Duct Temperature Sensor 24"	\$34
ATD03	ALC 10k Duct Temperature Sensor 30"	\$34
ATD04	ALC 10k Duct Averaging Temperature Sensor 8'	\$81
ATD05	ALC 10k Duct Averaging Temperature Sensor 12'	\$86
ATD06	ALC 10k Duct Temperature Sensor 24'	\$99
ATI01	ALC 10k Immersion Sensor 4" or 8" no well w/Weather Proof Box	\$29
ATI02	ALC 10k Immersion Sensor 4" Including Brass Well	\$50
ATI03	ALC 10k Immersion Sensor 8" Including Brass Well	\$66
AW01	ALC 4" Brass Thermowell	\$25
AW02	ALC 8" Brass Thermowell	\$38.50
ATO01	ALC 10k Outside Air Temperature Sensor	\$22
ATRP01	ALC 10k Remote Probe 5' Plenum Lead Wire, SS Cup.....	\$16

II. Two Wire 4 to 20mA, Temperature Transmitter with 1000 ohm RTD		12 month warranty
Product	Description	List Price
ATR06	ALC 2-Wire 4-20ma Space Sensor	\$63
ATD07	ALC 2-Wire 4-20ma Duct Temperature Sensor - 4", 8", 12" or 18"	\$67
ATD08	ALC 2-Wire 4-20ma Duct Averaging Sensor 12'	\$172
ATI04	ALC 2-Wire 4-20ma Immersion Sensor 4" or 8" no well	\$75
ATO02	ALC 2-Wire 4-20ma Outside Air Sensor	\$85

Add \$5.25 to your net for Weatherproof Enclosure. Add (WP) to end of part number.

Add \$7.90 to your net for Ruggedized transmitter package. Add (R) to end of part number.

Note: Space sensors on page 13 may also be ordered with Bi-Metal display for \$9.45 added to your net. The range of the display is 50 to 90 degrees F with plus or minus 1 degree accuracy.

Humidity Sensors

All humidity sensors are manufactured for Automated Logic Corporation by Building Automation Products, Inc. (BAPI)

III. Two Wire 4 to 20mA, Humidity Transmitter, Impedance Type		24 month warranty
Product	Description	List Price
AHR01	ALC 2-Wire 4-20ma Room Humidity Sensor +/-3%	\$195
AHR02	ALC 2-Wire 0-5vdc Room Humidity Sensor +/-3%, 24vac/24vdc	\$195
AHD01	ALC 2-Wire 4-20ma Duct Mount Humidity Sensor +/-3%	\$197
AHO01	ALC 2-Wire 4-20ma Outside Air Humidity Sensor +/-3%	\$230

Peripheral Equipment

Lightning Protection

Product	Description	List Price
1LTS	Ditek Lightning surge protector - 2 wire	\$45
2LTS	Ditek Lightning surge protector - 4 wire	\$55.50
3LTS	Ditek Lightning surge protector - 6 wire	\$71
4LTS	Ditek Lightning surge protector - 8 wire	\$82.25

Modem

Product	Description	List Price
560BPS	US Robotics or equal 56,000 Baud Modem - compatible with LGC, LGE or LGRM-E	\$170

Sensors

Product	Description	List Price
STPR	BAPI Pressure Transmitter	\$345
STAT	Static Pickup Tubes - Kele style A-301	\$9
STPRVRS1	ALTA Static Pressure Sensor 0-1,0-2.5, 0-5, 0-10"wc duct mount w/pitot tube	\$330
STPRVRS2	ALTA Static Pressure Sensor 0-1,0-2.5, 0-5, 0-10"wc panel mount	\$319
TOA	PRE-CON Type II 10K Outside Air Sensor with 25' leads	\$65
TAVP12	PRE-CON Type II 10K Averaging Sensor with 12' element	\$123
TAVP25	PRE-CON Type II 10K Averaging Sensor with 25' element	\$180

Sensors continued

Product	Description	List Price
TIBR	PRE-CON Type II 10K Immersion Sensor with Brass Well & weatherproof box	\$62
TIN	PRE-CON Type II 10K Immersion Sensor with weatherproof box & no well	\$50
BRW	PRE-CON style Brass Well only	\$19
TISS	PRE-CON Type II Immersion Sensor with SS Well and weatherproof box	\$93
THRW.1	PRE-CON Type II 10K Raw Thermistor, Ruggedized	\$35
TRS.1	PRE-CON Type II 10K Space Sensor w/Brkt., & Type 302 Stainless Steel Plate ...	\$25
TRSN	PRE-CON Type II 10K wall mount space sensor without hardware	\$19
GRDP	Plastic Guard Box by White-Rodgers	\$30
GRDL	LEXAN Guard Box by Uni-Gard Inc.	\$49.50
HUM3	Vaisala HMD40U 3% Duct Humidity Sensor or Equal	\$292
HSS3	Vaisala HMW40U 3% Space Humidity Sensor or Equal	\$282
HCAP	Vaisala InterCap Replacement #15778	\$139
HM34F	Vaisala 2% Humidity & Temperature (deg. F) Portable Sensor	\$337
PRTD	Pressure Transducer in weatherproof box 0-200psi	\$408
DFPT	Differential Pressure Transducer (Wet/Wet) Various psi ranges	\$916
DFWT	Differential Pressure Transducer (Wet/Wet) Various "wc " ranges	\$916
DFPT-BVA	Differential Pressure Transducer (Wet/Wet) Various psi ranges with Ball Valve Assembly	\$1,055
DFWT-BVA	Differential Pressure Transducer (Wet/Wet) Various "wc" ranges with Ball Valve Assembly	\$1,055
VIS-A	Veris Current Sensor with 4-20 mA output signal, 55 Amp Max	\$83
VIS-A-SC-60	Veris Current Sensor with 4-20 mA output signal, w/ split core, 60Amp Max	\$106
VIS-A-SC-300	Veris Current Sensor with 4-20 mA output signal, w/ split core, 300 Amp Max	\$173
VIS-A-SC-800	Veris Current Sensor with 4-20 mA output signal, w/ split core, 800 Amp Max	\$270
VIS-A-SC-K	Veris Current Sensor with 4-20 mA output signal, w/ split core, 2400 Amp Max ...	\$338
VIS-KW-01	Veris kW Transducer w/4-20ma output signal, 208/240v, 100 max amps, small split-core ct.	\$780
VIS-KW-02	Veris kW Transducer w/4-20ma output signal, 208/240v, 300 max amps, small split-core ct.	\$807
VIS-KW-03	Veris kW Transducer w/4-20ma output signal, 208/240v, 400 max amps, medium split-core ct.	\$825
VIS-KW-04	Veris kW Transducer w/4-20ma output signal, 208/240v, 800 max amps, medium split-core ct.	\$849
VIS-KW-05	Veris kW Transducer w/4-20ma output signal, 208/240v, 800 max amps, large split-core ct.	\$872

Sensors continued

Product	Description	List Price
VIS-KW-06	Veris kW Transducer w/4-20ma output signal, 208/240v, 1600 max amps, large split-core ct.	\$896
VIS-KW-07	Veris kW Transducer w/4-20ma output signal, 208/240v, 2400 max amps, large split-core ct.	\$919
VIS-KW-08	Veris kW Transducer w/4-20ma output signal, 480v, 100 max amps, small split-core ct.	\$765
VIS-KW-09	Veris kW Transducer w/4-20ma output signal, 480v, 300 max amps, small split-core ct.	\$811
VIS-KW-10	Veris kW Transducer w/4-20ma output signal, 480v, 400 max amps, small split-core ct.	\$830
VIS-KW-11	Veris kW Transducer w/4-20ma output signal, 480v, 8100 max amps, small split-core ct.	\$860
VIS-KW-12	Veris kW Transducer w/4-20ma output signal, 480v, 100 max amps, small split-core ct.	\$879
VIS-KW-13	Veris kW Transducer w/4-20ma output signal, 480v, 1600 max amps, small split-core ct.	\$905
VIS-KW-14	Veris kW Transducer w/4-20ma output signal, 480v, 2400 max amps, small split-core ct.	\$926
VIS-PW-01	Veris Power Monitor w/modbus output, 208-480v, 100 max amps, small split-core ct.	\$1,025
VIS-PW-01	Veris Power Monitor w/modbus output, 208-480v, 100 max amps, small split-core ct.	\$1,025
VIS-PW-01	Veris Power Monitor w/modbus output, 208-480v, 100 max amps, small split-core ct.	\$1,025
VIS-PW-01	Veris Power Monitor w/modbus output, 208-480v, 100 max amps, small split-core ct.	\$1,025
VIS-PW-02	Veris Power Monitor w/modbus output, 208-480v, 300 max amps, small split-core ct.	\$1,050
VIS-PW-03	Veris Power Monitor w/modbus output, 208-480v, 400 max amps, medium split-core ct.	\$1,025
VIS-PW-04	Veris Power Monitor w/modbus output, 208-480v, 800 max amps, medium split-core ct.	\$1,025
VIS-PW-05	Veris Power Monitor w/modbus output, 208-480v, 800 max amps, large split-core ct.	\$1,025
VIS-PW-06	Veris Power Monitor w/modbus output, 208-480v, 1600 max amps, large split-core ct.	\$1,025

Sensors continued

Product	Description	List Price
VIS-PW-07	Veris Power Monitor w/modbus output, 208-480v, 2400 max amps, large split-core ct.	\$1,025
VOLTMON	Voltage Monitor, 3 Phase up to 480V, 3 separate 4-20ma Outputs, w/dc power supply	\$410
V.1-CO2-W	Vaisala Carbon-Dioxide Sensor - wall mount	\$639
V.1-CO2-D	Vaisala Carbon-Dioxide Sensor - duct mount	\$685
CO2W	ALTA Carbon-Dioxide Sensor - wall mount w/LCD readout	\$470
CO2D	ALTA Carbon-Dioxide Sensor - duct mount w/LCD readout.....	\$500

Indication Switches

Product	Description	List Price
VIS-1S	Veris Current Switch with split core, 2.5-135 amps.....	\$76
VIS-2S	Veris Current Switch with split core, for VSDs	\$105
VIS-3S	Veris Current Switch with split core, 1.25-50 amps.....	\$82.50
VIS-4S	Veris Current Switch with split core, 5-200 amps.....	\$84
DPSW	Differential Pressure Switch (Air) .05-2"wc	\$40.25
HSSW	High Static Switch (Air) .07-12"wc.....	\$40.25
FLSW	Johnson F61KB-11 Liquid Flow Switch.....	\$130.50
WD-1B	Water Detector Switch with LED for Drain Pan.....	\$160
PLD01	Phase Loss Detector, 480v 3-phase	\$197

Relays

Product	Description	List Price
24AR	24vac DPDT Relay w/ base , 10 Amp contacts, w/LED	\$13
120AR	120vac DPDT Relay w/ base, 10 Amp contacts w/LED	\$15
VISRLY	Veris Solid State Relay, Adjustable Current Switch 20A Max.....	\$98
CONT.S	Heavy Duty Contactor with 24VAC Coil, SPDT, 20 Amp Contacts at 600VAC ..	\$28.25
CONT.D	Heavy Duty Contactor KE900D with 24VAC Coil, DPDT, 20 Amp Contacts at 600VAC	\$37
VRC-1	Neptronic Single pole variable DC Relay (One setting)	\$119
VRC-2	Neptronic Double pole variable DC Relay (Two settings).....	\$135
RIB1	Relay in a Box, 24vac Coil, DPDT 20amp Contacts	\$35
RIB2	Relay in a Box, 24vac Coil, SPDT 10amp Contacts	\$20
RIB3	Relay in a Box, 24vac Coil, DPDT 10amp Contacts	\$38
EP01	EP Valve, 24vac coil.....	\$35

Enclosures

Product	Description	List Price
SC16124	Kele screw cover box 16x12x4"	\$44
HC664	Kele hinged cover box 6x6x4"	\$16
HC886	Kele hinged cover box 8x8x6"	\$28
HC1084	Kele hinged cover box 10x8x4"	\$28
HC1284	Kele hinged cover box 12x8x4"	\$32
HC12104	Kele hinged cover box 12x10x4"	\$36
HC12124	Kele hinged cover box 12x12x4"	\$41
SMHOFF	Kele A-16N126 hinged cover enclosure 16x12x6" with perf. panel	\$125.75
HC18124	Kele hinged cover box 18x12x4" with perf. panel	\$72
SMCAB	Hoffman Small hinged cover cabinet w/perf panel and lock 20x16x6"	\$128
MECAB	Hoffman Medium hinged cover cabinet w/perf panel and lock 24x24x6"	\$215
LGCAB	Hoffman Large hinged cover cabinet w/perf panel and lock 36x24x6"	\$266
SMCABS	Siemens Small hinged cover cabinet w/perf panel 20x16x6"	\$128
MECABS	Hoffman Medium hinged cover cabinet w/perf panel 24x24x9"	\$215
LGCABS	Hoffman Large hinged cover cabinet w/perf panel 36x24x9"	\$266
WPMBX	Peninsular ERTB-664 - 6x6" Weatherproof Metal box	\$19
CLRBX	ALPS 15x10x3 Clear Enclosure	\$42
WPENC	Kele A-16R126HCLO NEMA 3R Lift-Off hinged cover enclosure 16x12x6	\$115

*NOTE: Boxes and enclosures do not have lock or perf. panels unless noted.
Cabinets include both perforated panel and lock.
Any special sizes or stainless steel enclosures will have to be quoted.*

Power Supplies with 24VAC Secondary Side

Product	Description	List Price
XFRL40	Core Components LE112 40VA Double Hub/Foot Mount Transformer, 120VAC Primary, (must mount in Box or Cabinet) No Circuit Breaker	\$13
XFRL40S	Core Components LE112 40VA Single Hub/Foot Mount Transformer, 120VAC Primary (must mount in Box or Cabinet) No Circuit Breaker	\$13
XFRL50	Core Components LE1175 50VA Double Hub/Foot Mount Transformer, 120VAC Primary (must mount in Box or Cabinet) No Circuit Breaker	\$15
XFRL50S	Core Components LE112 40VA Single Hub/Foot Mount Transformer, Manual Reset, 120VAC Primary (must mount in Box or Cabinet)	\$21
XFRL75	Core Components LE118 75VA Double Hub/Foot Mount Transformer, Manual Reset, 120VAC Primary (must mount in Box or Cabinet)	\$28.50

Power Supplies with 24VAC Secondary Side continued

Product	Description	List Price
XFRL75S	Core Components LE1501 75VA Single Hub/Foot Mount Transformer, Manual Reset, Multi Primary: 120/208/240/480 VAC (must mount in Box or Cabinet) ..	\$27.50
XFRL100	Core Components LE120 100VA Double Hub/Foot Mount Transformer, Manual Reset, 120VAC Primary (must mount in Box or Cabinet)	\$30
XFRL150	Core Components LE124 150VA Single Hub Transformer, Manual Reset	\$43
XFRL100S	Core Components LE170 100VA Hub/Foot Mount Transformer, Manual Reset, Multi Primary: 120/240/277/480 VAC (must mount in Box or Cabinet).....	\$29.50
XFRK170	Dongan 170VA Hub/Foot Mount Transformer, 120VAC Primary.....	\$63

Electronic Actuators & Valves

Belimo:

Product	Description	List Price
BA05	Belimo Actuator 24 V, On-Off, Floating, 35 in-lb.....	\$85.80
BA06	Belimo Actuator 24 V, Modulating, 35 in-lb.....	\$125.50
BA06M	Belimo Actuator 24 V, MFT, Multi-Function, 35 in-lb	\$172.00
BA07	Belimo Actuator 24 V, On-Off, 35 in-lb, w/Terminals, Floating	\$75.70
BA08	Belimo Actuator 120 V, 60 in-lb On-Off, Spring Return	\$183.00
BA09	Belimo Actuator 120 V, 60 in-lb, 2 Aux Sw, 5 Deg Fix, On-Off, Spring Return	\$223.00
BA10	Belimo Actuator 24 V, 60 in-lb, On-Off, Spring Return	\$154.50
BA11	Belimo Actuator 24 V, 60 in-lb, 2 Aux Sw, 5 deg fix, On-Off, Spring Return	\$257.00
BA12	Belimo Actuator 24 V, 60 in-lb, 2-10 vdc, 4-20 ma Modulating, Spring Return	\$212.00
BA13	Belimo Actuator 24 V, 70 in-lb 3' Cable Rev Sw, On-Off, Floating	\$97.50
BA14	Belimo Actuator 24 V, 70 in-lb, Rev Sw, 2-10,4-20 Modulating.....	\$145.00
BA15	Belimo Actuator 24 V, 88 in-lb, 2-Pos/Float, Fast Run, Aux Sw	\$188.76
BA16	Belimo Actuator 120 V, 133 in-lb, On-Off, Spring Return	\$245.00
BA17	Belimo Actuator 120 V, 133 in-lb, 2 Aux Sw, Spring Return.....	\$291.50
BA18	Belimo Actuator 24 V, 133 in-lb, 24 vdc, On-Off, Spring Return	\$214.50
BA19	Belimo Actuator 24 V, 133 in-lb, On-Off, 2 Aux Sw, Spring Return.....	\$300.00
BA20	Belimo Actuator 24 V, 133 in-lb, 2-10 vdc, 4-20 ma, 2-10V Fbk, Spring Return	\$271.50
BA21	Belimo Actuator 24 V, 133 in-lb, On-Off, Fast, 2 Aux Sw, Rev.....	\$228.50
BA22	Belimo Actuator 24 V, 160 in-lb, On-Off/Tristate	\$143.00
BA23	Belimo Actuator 24 V, 160 in-lb, On-Off/Tristate, 2 Aux Sw	\$179.50
BA24	Belimo Actuator 24 V, 160 in-lb, 2-10 VDC, 4-20 ma, 2-10V Fbk	\$206.00
BA25	Belimo Actuator 24 V, 266 in-lb, On-Off/Tristate, Rev Switch	\$200.00

Electronic Actuators & Valves continued

Product	Description	List Price
BA26	Belimo Actuator 24 V, 266 in-lb, 2-10 vdc, 4-20 ma/10 vdc, Phasecut Fbk, Aux Sw	\$271.00
BA27	Belimo Actuator 24 V, 266 in-lb, 4-7 vdc, 2-10 vdc feedback.....	\$308.50
BACC01	Auxiliary Switch 1 SPDT for BA13 & BA14.....	\$36.60
BACC02	Auxiliary Switch 2 SPDT for BA13 & BA14.....	\$48.60
BACC03	Angle of Rotation Limiter for BA25 & BA26.....	\$6.90
BACC04	Universal Mounting Bracket Vertical.....	\$33.75
BACC05	Universal Mounting Bracket Horizontal.....	\$33.75
BACC06	Multi Act Bracket, 2 Act to One Shaft.....	\$33.20
BACC07	Compact Universal Mounting Bracket Vertical for BA21-BA26.....	\$24.60
BACC08	Compact Universal Mounting Bracket Horizontal for BA21-BA26.....	\$24.60
BACC09	Universal Mounting Bracket for BA13 & BA14.....	\$12.60
BACC10	Crankarm Adapter Kit for BA22, BA23 & BA24.....	29.20
BACC11	Damper Clip.....	\$15.60
BACC12	Damper Clip.....	\$15.60
BACC13	Crankarm Adaptor Kit, Non-Direct Mounting.....	\$33.75
BACC14	Actuator Operator Handle.....	\$13.75
BACC15	Jack Shaft Adaptor- 1" OD, 3/4 ID Hollow Shafts.....	\$79.00
BACC16	Jack Shaft Adaptor- 1.05" OD, 27/32 ID Hollow Shafts.....	\$79.00
BACC17	Jack Shaft Adaptor- 1-5/16 OD, 1-3/32 ID Hollow Shaft.....	\$93.80
BACC18	1/2" Dia. Shaft Extension for BA05, BA06 & BA07.....	\$27.50
BACC19	3/8" Dia. Shaft Extension for BA05, BA06 & BA07.....	\$23.50
BACC20	Crank Arm Adaptor Kit, Non-Direct Mounting.....	\$29.20
BACC21	Crankarm Adaptor Kit, Non-Direct Mounting BA15 & BA21.....	\$32.00
BACC22	Motor Weather Shield BA15, BA21, BA25 & BA26.....	\$51.50
BACC23	Motor Weather Shield Base Mounting Plate.....	\$10.30
BACC24	3/8" Push Rod 3 Ft.....	\$12.00
BACC25	5/16" Push Rod, 3 Ft.....	\$8.00
BACC26	Shaft Extension for BA22, BA23 & BA24.....	\$17.75
BACC27	Universal Shaft Extension.....	\$19.50
BACC29	Standard Clamp for BA22, BA23 & BA24.....	\$8.00
BACC30	Jackshaft Clamp for BA22, BA23 & BA24.....	\$8.00
BACC31	Hex Clamp for BA22, BA23 & BA24.....	\$8.00
BACC32	Ball Joint, 3/8".....	\$6.90
BACC33	Ball Joint, 5/16".....	\$4.60

Electronic Actuators & Valves continued

Product	Description	List Price
BACC34	Ball Joint, 5/16", 90 Deg.....	\$6.90
BACC35	Universal Crank Arm.....	\$5.20
BACC36	Auxiliary Switch 1XSPDT for BA21, BA22, BA23 & BA24.....	\$36.60
BACC37	Auxiliary Switch 2XSPDT for BA21, BA22, BA23 & BA24.....	\$55.00
BACC38	Auxiliary Switch 1XSPDT for BA25, BA26, & BA27.....	\$36.60
BACC39	Auxiliary Switch 2XSPDT for BA25, BA26, & BA27.....	\$48.60
BVG201	Belimo 1/2" 2-way Globe Valve (Cv=.4), Modulating Motor.....	\$344.00
BVG202	Belimo 1/2" 2-way Globe Valve (Cv=1.3), Modulating Motor.....	\$344.00
BVG203	Belimo 1/2" 2-way Globe Valve (Cv=2.2), Modulating Motor.....	\$344.00
BVG204	Belimo 1/2" 2-way Globe Valve (Cv=4.4), Modulating Motor.....	\$344.00
BVG205	Belimo 3/4" 2-way Globe Valve (Cv=5.5), Modulating Motor.....	\$344.00
BVG206	Belimo 3/4" 2-way Globe Valve (Cv=7.5), Modulating Motor.....	\$344.00
BVG207	Belimo 1" 2-way Globe Valve (Cv=10), Modulating Motor.....	\$372.00
BVG208	Belimo 1" 2-way Globe Valve (Cv=14), Modulating Motor.....	\$372.00
BVG209	Belimo 1 1/4" 2-way Globe Valve (Cv=20), Modulating Motor.....	\$400.00
BVG210	Belimo 1 1/2" 2-way Globe Valve (Cv=28), Modulating Motor.....	\$457.00
BVG211	Belimo 2" 2-way Globe Valve (Cv=40), Modulating Motor.....	\$515.00
BVG212	Belimo 2 1/2" 2-way Globe Valve (Cv=65), Modulating Motor.....	\$1,275.00
BVG213	Belimo 3" 2-way Globe Valve (Cv=90), Modulating Motor.....	\$1,333.00
BVG214	Belimo 4" 2-way Globe Valve (Cv=170), Modulating Motor.....	\$1,550.00
BVG215	Belimo 5" 2-way Globe Valve (Cv=263), Modulating Motor.....	\$2,160.00
BVG216	Belimo 6" 2-way Globe Valve (Cv=344), Modulating Motor.....	\$2,385.00
BVG301	Belimo 1/2" 3-way Globe Valve (Cv=2.2), Modulating Motor.....	\$360.00
BVG302	Belimo 1/2" 3-way Globe Valve (Cv=4.4), Modulating Motor.....	\$360.00
BVG303	Belimo 3/4" 3-way Globe Valve (Cv=7.5), Modulating Motor.....	\$360.00
BVG304	Belimo 1" 3-way Globe Valve (Cv=14), Modulating Motor.....	\$384.00
BVG305	Belimo 1 1/4" 3-way Globe Valve (Cv=20), Modulating Motor.....	\$418.00
BVG306	Belimo 1 1/2" 3-way Globe Valve (Cv=28), Modulating Motor.....	\$544.00
BVG307	Belimo 2" 3-way Globe Valve (Cv=40), Modulating Motor.....	\$600.00
BVG308	Belimo 2 1/2" 3-way Globe Valve (Cv=68), Modulating Motor.....	\$1,705.00
BVG309	Belimo 3" 3-way Globe Valve (Cv=91), Modulating Motor.....	\$1,560.00
BVG310	Belimo 4" 3-way Globe Valve (Cv=190), Modulating Motor.....	\$2,497.00
BVG311	Belimo 5" 3-way Globe Valve (Cv=280), Modulating Motor.....	\$3,676.00
BVG312	Belimo 6" 3-way Globe Valve (Cv=340), Modulating Motor.....	\$4,230.00

Electronic Actuators & Valves continued

Product	Description	List Price
BVB201	Belimo 1/2" 2-way Characterized Ball Valve (Cv=.8), Modulating Motor.....	\$169.00
BVB202	Belimo 1/2" 2-way Characterized Ball Valve (Cv=1.2), Modulating Motor.....	\$169.00
BVB203	Belimo 1/2" 2-way Characterized Ball Valve (Cv=1.9), Modulating Motor.....	\$169.00
BVB204	Belimo 1/2" 2-way Characterized Ball Valve (Cv=3.0), Modulating Motor.....	\$169.00
BVB205	Belimo 1/2" 2-way Characterized Ball Valve (Cv=4.7), Modulating Motor.....	\$169.00
BVB206	Belimo 1/2" 2-way Characterized Ball Valve (Cv=7.4), Modulating Motor.....	\$169.00
BVB207	Belimo 3/4" 2-way Characterized Ball Valve (Cv=4.7), Modulating Motor.....	\$185.00
BVB208	Belimo 3/4" 2-way Characterized Ball Valve (Cv=7.4), Modulating Motor.....	\$185.00
BVB209	Belimo 3/4" 2-way Characterized Ball Valve (Cv=10), Modulating Motor.....	\$185.00
BVB210	Belimo 1" 2-way Characterized Ball Valve (Cv=7.4), Modulating Motor.....	\$197.00
BVB211	Belimo 1" 2-way Characterized Ball Valve (Cv=10), Modulating Motor.....	\$197.00
BVB212	Belimo 1" 2-way Characterized Ball Valve (Cv=19), Modulating Motor.....	\$197.00
BVB213	Belimo 1" 2-way Characterized Ball Valve (Cv=30), Modulating Motor.....	\$195.00
BVB214	Belimo 1 1/4" 2-way Characterized Ball Valve (Cv=10), Modulating Motor.....	\$212.00
BVB216	Belimo 1 1/4" 2-way Characterized Ball Valve (Cv=25), Modulating Motor.....	\$256.00
BVB217	Belimo 1 1/2" 2-way Characterized Ball Valve (Cv=19), Modulating Motor.....	\$256.00
BVB218	Belimo 1 1/2" 2-way Characterized Ball Valve (Cv=29), Modulating Motor.....	\$256.00
BVB219	Belimo 2" 2-way Characterized Ball Valve (Cv=29), Modulating Motor.....	\$305.00
BVB220	Belimo 2" 2-way Characterized Ball Valve (Cv=46), Modulating Motor.....	\$305.00
BVB221	Belimo 1/2" 2-way Full Flow Ball Valve (Cv=10), Modulating Motor.....	\$168.00
BVB222	Belimo 3/4" 2-way Full Flow Ball Valve (Cv=24), Modulating Motor.....	\$180.00
BVB223	Belimo 1 1/4" 2-way Full Flow Ball Valve (Cv=19), Modulating Motor.....	\$197.00
BVB224	Belimo 1 1/4" 2-way Full Flow Ball Valve (Cv=37), Modulating Motor.....	\$252.00
BVB225	Belimo 1 1/2" 2-way Full Flow Ball Valve (Cv=37), Modulating Motor.....	\$252.00
BVB226	Belimo 2" 2-way Full Flow Ball Valve (Cv=57), Modulating Motor.....	\$295.00
BVB227	Belimo Pressure Independent Characterized Valve 1/2", 2-way 2 gpm, Multifunction Motor.....	\$293.00
BVB228	Belimo Pressure Independent Characterized Valve 1/2", 2-way 3 gpm, Multifunction Motor.....	\$293.00
BVB229	Belimo Pressure Independent Characterized Valve 1/2", 2-way 4 gpm, Multifunction Motor.....	\$293.00
BVB230	Belimo Pressure Independent Characterized Valve 1/2", 2-way 5 gpm, Multifunction Motor.....	\$293.00
BVB231	Belimo Pressure Independent Characterized Valve 3/4", 2-way 6 gpm, Multifunction Motor.....	\$305.00
BVB232	Belimo Pressure Independent Characterized Valve 3/4", 2-way 7 gpm, Multifunction Motor.....	\$305.00

Electronic Actuators & Valves continued

Product	Description	List Price
BVB233	Belimo Pressure Independent Characterized Valve 3/4", 2-way 8 gpm, Multifunction Motor	\$305.00
BVB234	Belimo Pressure Independent Characterized Valve 3/4", 2-way 9 gpm, Multifunction Motor	\$305.00
BVB235	Belimo Pressure Independent Characterized Valve 3/4", 2-way 10 gpm, Multifunction Motor	\$305.00
BVB236	Belimo Pressure Independent Characterized Valve 1", 2-way 12 gpm, Multifunction Motor	\$353
BVB237	Belimo Pressure Independent Characterized Valve 1", 2-way 14 gpm, Multifunction Motor	\$353
BVB238	Belimo Pressure Independent Characterized Valve 1", 2-way 16 gpm, Multifunction Motor	\$353
BVB239	Belimo Pressure Independent Characterized Valve 1", 2-way 18 gpm, Multifunction Motor	\$353
BVB240	Belimo Pressure Independent Characterized Valve 1-1/4", 2-way 18 gpm, Multifunction Motor	\$396
BVB241	Belimo Pressure Independent Characterized Valve 1-1/4", 2-way 20 gpm, Multifunction Motor	\$396
BVB242	Belimo Pressure Independent Characterized Valve 1-1/4", 2-way 22 gpm, Multifunction Motor	\$396
BVB243	Belimo Pressure Independent Characterized Valve 1-1/4", 2-way 24 gpm, Multifunction Motor	\$396
BVB244	Belimo Pressure Independent Characterized Valve 1-1/4", 2-way 26 gpm, Multifunction Motor	\$396
BVB245	Belimo Pressure Independent Characterized Valve 1-1/2", 2-way 26 gpm, Multifunction Motor	\$420
BVB246	Belimo Pressure Independent Characterized Valve 1-1/2", 2-way 28 gpm, Multifunction Motor	\$420
BVB247	Belimo Pressure Independent Characterized Valve 1-1/2", 2-way 30 gpm, Multifunction Motor	\$420
BVB248	Belimo Pressure Independent Characterized Valve 1-1/2", 2-way 33 gpm, Multifunction Motor	\$420
BVB301	Belimo 1/2" 3-way Characterized Ball Valve (Cv=.8), Modulating Motor.....	\$191
BVB302	Belimo 1/2" 3-way Characterized Ball Valve (Cv=1.2), Modulating Motor.....	\$191
BVB303	Belimo 1/2" 3-way Characterized Ball Valve (Cv=1.9), Modulating Motor.....	\$191
BVB304	Belimo 1/2" 3-way Characterized Ball Valve (Cv=3.0), Modulating Motor.....	\$191
BVB305	Belimo 1/2" 3-way Characterized Ball Valve (Cv=4.7), Modulating Motor.....	\$191

Electronic Actuators & Valves continued

Product	Description	List Price
BVB307	Belimo 3/4" 3-way Characterized Ball Valve (Cv=4.7), Modulating Motor.....	\$205
BVB308	Belimo 3/4" 3-way Characterized Ball Valve (Cv=7.4), Modulating Motor.....	\$205
BVB310	Belimo 1" 3-way Characterized Ball Valve (Cv=7.4), Modulating Motor.....	\$265
BVB311	Belimo 1" 3-way Characterized Ball Valve (Cv=10), Modulating Motor.....	\$204
BVB314	Belimo 1 1/4" 3-way Characterized Ball Valve (Cv=10), Modulating Motor.....	\$266
BVB316	Belimo 1 1/4" 3-way Characterized Ball Valve (Cv=25), Modulating Motor.....	\$337
BVB317	Belimo 1 1/2" 3-way Characterized Ball Valve (Cv=19), Modulating Motor.....	\$427
BVB318	Belimo 1 1/2" 3-way Characterized Ball Valve (Cv=29), Modulating Motor.....	\$337
BVB319	Belimo 2" 3-way Characterized Ball Valve (Cv=29), Modulating Motor.....	\$422
BVB320	Belimo 2" 3-way Characterized Ball Valve (Cv=46), Modulating Motor.....	\$422
BVB321	Belimo 3/4" 3-way Full Flow Ball Valve (Cv=24), Modulating Motor.....	\$197
BFVB201	Belimo 2" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$270
BFVB202	Belimo 2" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$280
BFVB203	Belimo 2-1/2" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$283
BFVB204	Belimo 2-1/2" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$286
BFVB205	Belimo 3" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$288
BFVB206	Belimo 3" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$396
BFVB207	Belimo 4" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$375
BFVB208	Belimo 4" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$1,050
BFVB209	Belimo 5" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$418
BFVB210	Belimo 5" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$1,126
BFVB211	Belimo 6" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$1,422
BFVB212	Belimo 6" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$1,430
BFVB213	Belimo 8" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$1,500
BFVB214	Belimo 8" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$2,077
BFVB215	Belimo 10" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$1,912
BFVB216	Belimo 10" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$2,550
BFVB217	Belimo 12" 2-way Butterfly Valve, Modulating Motor, 50psi close-off.....	\$2,742
BFVB218	Belimo 12" 2-way Butterfly Valve, Modulating Motor, 200psi close-off.....	\$3,086
BFVB301	Belimo 2" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$556
BFVB302	Belimo 2" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$1,625
BFVB303	Belimo 2-1/2" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$627
BFVB304	Belimo 2-1/2" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$1,675
BFVB305	Belimo 3" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$696
BFVB306	Belimo 3" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$1,692
BFVB307	Belimo 4" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$1,045

Electronic Actuators & Valves continued

Product	Description	List Price
BFVB308	Belimo 4" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$2,075
BFVB309	Belimo 5" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$1,157
BFVB310	Belimo 5" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$2,175
BFVB311	Belimo 6" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$1,203
BFVB312	Belimo 6" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$2,508
BFVB313	Belimo 8" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$2,857
BFVB314	Belimo 8" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$3,152
BFVB315	Belimo 10" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$3,438
BFVB316	Belimo 10" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$4,237
BFVB317	Belimo 12" 3-way Butterfly Valve Assembly, Modulating Motor, 50psi close-off.....	\$4,750
BFVB318	Belimo 12" 3-way Butterfly Valve Assembly, Modulating Motor, 200psi close-off.....	\$5,230

Neptronic:

Product	Description	List Price
BBT24	Neptronic Brushless Motor: Electronic Damper Actr. for area up to 6 sf, 50 in-lb. torque, for floating motor control (eg., VAV box actuator)	\$120
BBM24	Neptronic Brushless Motor: Electronic Damper Actr. for area up to 6 sf, 50 in-lb. torque, for modulating control (zero & span adjust., reversible)	\$140
TBM4000N	Neptronic Brushless Motor: Electronic Damper Actuator for area up to 35 sf, 180 in-lb. torque, for modulating control	\$288
DAEL3	Neptronic BBT1000 Electronic Damper Actuator for area up to 6 sf, 50 in-lb. torque, for 2 position control.....	\$105
DAEL4	Neptronic TBT3000 Electronic Damper Actuator for area up to 35 sf, 180 in-lb. torque, for either 2 position or floating motor control	\$163
DAEL5.1	Neptronic BBT1021 Electronic Damper Actuator for area up to 6 sf, 50 in-lb. torque, for 2 position control, with mech. auxiliary switches	\$142
DAEL7.1	Neptronic TBT3021 Electronic Damper Actuator for area up to 35 sf, 180 in-lb. torque, for 2 position control, with mech. auxiliary switches	\$197
RBM6000N	Neptronic Brushless Motor: Electronic Damper Actuator for area up to 75 sf., 360 in-lb. torque, for modulating control	\$335
AQM24-05-S	Neptronic Aqualine Actuator 24vac.....	\$193.60
BVPK-1	Packing Kits for Ball Valve Models: 712, 713, 773, 702 & 703 contains 2 "O" Rings & Gland Nut.....	\$10
BVPK-2	Packing Kits for Ball Valve Models: 714, 715, 774, 704 & 705 contains 2 "O" Rings & Gland Nut.....	\$16

Neptronic Continued:

Product	Description	List Price
BVPK-3	Packing Kits for Ball Valve Models: 716, 717, 718, 720, 775, 776, 777, 779, 706, 707 & 708.....	\$20
WBVPK	Seat & Seal Kit Part #885493 for Watts Ball Valve B6780-M1 2".....	\$53

Variable Frequency Drives

VFDSAF01	Saftronics VFD 5hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$2,620
VFDSAF02	Saftronics VFD 5hp, 480v, EMI/RFI Filter, EMS communication	\$3,596
VFDSAF03	Saftronics EMI/RFI Filter for 5hp Drive	\$456
VFDSAF04	Saftronics VFD 7.5hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$2,824
VFDSAF05	Saftronics VFD 7.5hp, 480v, EMI/RFI Filter, EMS communication	\$3,820
VFDSAF06	Saftronics EMI/RFI Filter for 7.5hp Drive	\$476
VFDSAF07	Saftronics VFD 10hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$2,824
VFDSAF08	Saftronics VFD 10hp, 480v, EMI/RFI Filter, EMS communication	\$3,820
VFDSAF09	Saftronics EMI/RFI Filter for 10hp Drive	\$476
VFDSAF10	Saftronics VFD 15hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$3,474
VFDSAF11	Saftronics VFD 15hp, 480v, EMI/RFI Filter, EMS communication	\$4,514
VFDSAF12	Saftronics EMI/RFI Filter for 15hp Drive	\$520
VFDSAF13	Saftronics VFD 20hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$3,844
VFDSAF14	Saftronics VFD 20hp, 480v, EMI/RFI Filter, EMS communication	\$4,980
VFDSAF15	Saftronics EMI/RFI Filter for 20hp Drive	\$616
VFDSAF16	Saftronics VFD 25hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$4,554
VFDSAF17	Saftronics VFD 25hp, 480v, EMI/RFI Filter, EMS communication	\$5,810
VFDSAF18	Saftronics EMI/RFI Filter for 25hp Drive	\$736
VFDSAF19	Saftronics VFD 30hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$4,828
VFDSAF20	Saftronics VFD 30hp, 480v, EMI/RFI Filter, EMS communication	\$6,084
VFDSAF21	Saftronics EMI/RFI Filter for 30hp Drive	\$736
VFDSAF22	Saftronics VFD 40hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$6,618
VFDSAF23	Saftronics VFD 40hp, 480v, EMI/RFI Filter, EMS communication	\$8,036
VFDSAF24	Saftronics EMI/RFI Filter for 40hp Drive	\$898
VFDSAF25	Saftronics VFD 50hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$7,386
VFDSAF26	Saftronics VFD 50hp, 480v, EMI/RFI Filter, EMS communication	\$8,828
VFDSAF27	Saftronics EMI/RFI Filter for 50hp Drive	\$922
VFDSAF28	Saftronics VFD 60hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$8,574
VFDSAF29	Saftronics VFD 60hp, 480v, EMI/RFI Filter, EMS communication	\$10,016
VFDSAF30	Saftronics EMI/RFI Filter for 60hp Drive	\$922

Variable Frequency Drives continued

Product	Description	List Price
VFDSAF31	Saftronics VFD 75hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$10,430
VFDSAF32	Saftronics VFD 75hp, 480v, EMI/RFI Filter, EMS communication	\$12,296
VFDSAF33	Saftronics EMI/RFI Filter for 75hp Drive	\$1,346
VFDSAF34	Saftronics VFD 100hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$12,668
VFDSAF35	Saftronics VFD 100hp, 480v, EMI/RFI Filter, EMS communication	\$15,062
VFDSAF36	Saftronics EMI/RFI Filter for 100hp Drive	\$1,874
VFDSAF37	Saftronics VFD 125hp, 480v, w/o EMI/RFI Filter, w/o EMS communication	\$14,790
VFDSAF38	Saftronics VFD 125hp, 480v, EMI/RFI Filter, EMS communication	\$17,154
VFDSAF39	Saftronics EMI/RFI Filter for 125hp Drive	\$1,844
VFDSAF01	Saftronics EMS Communications Board.....	\$520

Electric Thermostats

Product	Description	List Price
ELTH	White-Rodgers 152-9 Line Voltage T'stat. for Heating	\$138
ELTC	White-Rodgers 151-6 Line Voltage T'stat. for Cooling	\$138

Panel Accessories

Product	Description	List Price
CTI	Trane Conventional Thermostat Interface Board for Trane A/C Units	\$182
TBS	1/4" Modular Term'l Blocks (Qty=10), End Stops (Qty=2), End Caps (Qty=1), and Rail (6").....	\$18
FBS	Fuse Block Assembly: Fuse block with 1.6 Amp fuse (Qty=1), Separator (Qty=1), Terminal Block (Qty=1), End Stops (Qty=2), End Cap (Qty=1), and rail (6").....	\$15
KEYSW	Keyed Switch.....	\$70
TLO	Momentary Push-button - Allied Electronics 757-2309	\$6
TMR12HR	12 Hour Twist Timer 120v INTERMATIC	\$40
WPSW	Momentary Toggle Switch with Boot - Atlantic Electronics 35-3055 with 12-B.....	\$15
LBL	Panel Door Label-Bakelite Black w/white core.....	\$3
LIT	Alarm Light Lamp - Allied Electronics 679-7091	\$7
LITFL	Flat Alarm Light - Atlantic Electronics 981-604X-95WRNP.....	\$9
ALRM	Mallory Alarm Klaxon SC628AN 24VAC - Allied Electronics 854-6503.....	\$90

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