

The Controller July



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"Advanced technological solutions at an affordable cost."

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Ideas for articles of interest?

Please submit articles or requests to: lauren.s@logictechnologies.com

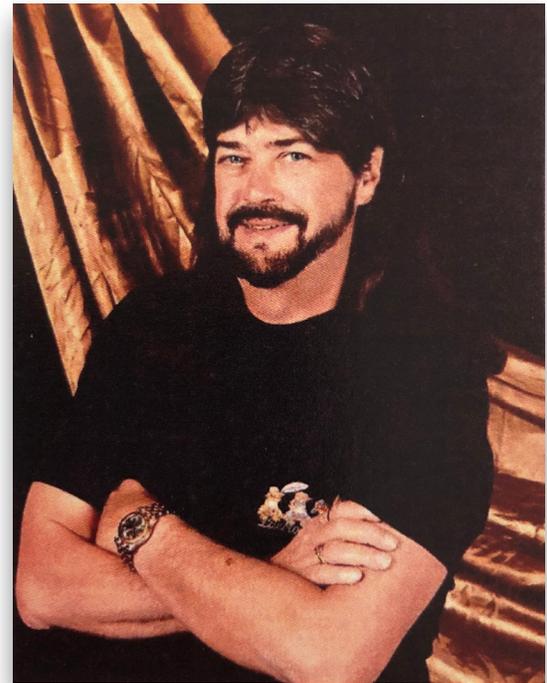
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WITH GREAT SADNESS

BY LAUREN SCHUSTER

It is with great sadness that we inform you of the passing of our VP of Sales and Director of Operations, Mike Vinson. Mike passed away on Thursday, March 22nd. Mike was a valued member of our team since 2005 and he will be missed. All business related questions and concerns will be directed to Gordon Simpson (g.simpson)@logictechnologies.com and Lauren Schuster (lauren.s)@logictechnologies.com. "We are truly saddened by the loss of our colleague and friend. The people you work with are a huge part of your day-to-day lives. I had the privilege to work with Mike for 13 years. He will truly be missed by our LOGIC family. Rest in Peace, friend!", engineering administrator, Kim Smith.



IIAR 2018

BY LAUREN SCHUSTER

IIAR in Colorado Springs, Colorado was a smashing success for LOGIC. There was rarely a dull moment in booth 500. Customers and contractors came and went for the opportunity to speak with our CEO Gordon Simpson throughout the conference. The BroAdmoor hotel and conference center was very accommodating to IIAR exhibitors and participants during the show. Next year, IIAR plans to hold the conference in Phoenix, Arizona. Come see LOGIC's booth in Phoenix and ask about our new and upcoming updates to our systems!



Training Information and Schedule



Training Enrollment

LOGIC Technologies, Inc. conducts in-depth training sessions at our facility on a monthly basis. Two free sessions are included with each system purchased. Additional training sessions are available for a nominal fee. Operator training sessions are \$450 per person and advanced training sessions are \$750 per person. We provide lunch for each class day; however, all other travel expenses are your responsibility.

Operator-Level Sessions

This class session provides in-depth coverage of the use of our system to maintain the daily operations of a refrigerated facility. The class is conducted by Gordon Simpson or one of our senior engineers who have many years of experience designing refrigeration control systems. In effect, the classes are taught in layman's terms by someone who fully understands the issues faced by refrigeration operators.

June 13-15
July 11-13
September 12-14
October 10-12
December 12-14

Advanced SST Sessions

This class session provides in-depth coverage of the screen and report development tools. Also, briefly covering the script language used to develop control algorithms. These classes are conducted by senior members of our engineering staff. Prior technical expertise is a pre-requisite for this course.

May 9-11
August 15-17
November 14-16

***Seating is limited, make your reservations early by contacting Kim Smith or Cindy Gaffney**

@ (770) 389-4964

NEW ASSOCIATES

BY LAUREN SCHUSTER

LOGIC Technologies, Inc. would like to warmly welcome two new associates to the team. Lauren Schuster joined our company in January, as our Executive Assistant and Technical Writer. Schuster received a Bachelor's of Science in Mass Communication and Media Studies from Lander University in Greenwood, South Carolina.



Paul Jasczynski joined our team in June as our Marketing and Sales Representative. Jasczynski received a Degree in Electrical Engineering Technology from Milwaukee School of Engineering. He has a previous background with Square D Company, Rockwell Automation, and McNaughton-McKay Electric Company.



RETA 2018

BY LAUREN SCHUSTER

RETA (Refrigerating Engineers and Technicians Association) 2018 will be held in Dallas, Texas November 6th-9th. LOGIC Technologies, Inc. will be in booth 615. Come and check out our automated system for yourself! This year LOGIC Technologies, Inc. is a platinum sponsor at the RETA conference. "Without the help of our sponsors, the RETA National Conference would not be able to offer the truly unique, one-of-a-kind technical conference program that it does. Through support of our social events, such as the Awards Banquet and RETA Rumble, Hot-Point Sessions, Guest Programs, Coffee Breaks, and all conference needs, sponsors help make the RETA National Conference the success it is today!" RETA's website gives us a closer look at how appreciative they are of their sponsors.

the vessel set point window for **Floating Suction Pressure** that opens up another window for entry of the definitions for floating suction pressure for that particular vessel.

The first thing that must be entered is the **Maximum Suction Temperature Differential (Below the Room Temp Set Point)** (see the next paragraph for a description). Next, up to ten valve group numbers can be entered, which the program will scan to determine how much of an adjustment to make. Only air units in the coldest room serviced by this vessel should be entered. Next, you will need to select the sampling method: **Averaging** or **Highest**. **Averaging** calculates and averages the demand from all of the defined air units (excluding units that are currently defrosting or are forced off). **Highest** calculates demand only from the air unit that has the highest temperature with relation to its set point plus its dead band. The final

Pressure/Temperature chart, equals 18 degrees below the room temp set points, then 18 would be the Maximum Differential. The upper section pressure limit is determined by the air unit that has the lowest temperature set points minus five degrees F.

The sampling rate is once every five minutes. If the calculated demand is greater than or equal to 35 percent and less than or equal to 95 percent, in other words it falls between 35 to 95 percent, then no adjustment to the pressure will be made. If the demand is less than 35 percent, then the suction pressure/temperature can be increased. The increase starts at 0.2 degrees at 35 percent and gets proportionally larger the further below 35 percent that the demand goes.

The maximum increase is limited to 1.5 degrees per sample interval. If the decrease starts at -0.2 degrees at 100 percent and gets proportionally more negative, the higher above 100 percent that the demand goes. The maximum decrease is limited to -1.5 degrees



FLOATING SUCTION PRESSURE PROGRAM

The concept of floating suction pressure is to allow a program to automatically adjust a vessel's suction pressure set point so that the suction pressure can be raised up to the highest pressure that will still allow the system to maintain the room temperature in the coldest room which has air units connected to the suction line of that vessel. By raising the operating suction pressures up as high as possible, in theory, you can reduce the energy consumption of the refrigeration system. There is a button in

entry is to Enable or Disable floating pressure adjustment for this vessel. Adjustments to the vessel pressure set point will not be made unless it is Enabled.

The Maximum Suction Temperature Differential will determine the low limit to which the suction pressure can be adjusted. For example, if you are currently running a suction pressure set point that, when translated by a

per sample interval. By having the no increase made until the demand is less than 35 percent, any VFDs on the air units should be at nearly their minimum speed, however, adjustments will be made before the room temperature has dropped low enough to make the units go off cycle. By waiting until the demand is greater than 95 percent before making a decrease in pressure, this will help ensure that as many of the air units are running as is possible. Then, the set point will remain as it was prior to the shutdown or reboot.

LOGIC
TECHNOLOGIES, INC.
ASSOCIATES
BY LAUREN SCHUSTER



Gordon Simpson – President and CEO

Gordon is the founder of the organization and serves as our primary decision maker. Our success thus far is directly attributable to his relentless dedication to the development of business and process solutions for a variety of industries.

Cindy Gaffney – Office Manager

Kim Smith – Engineering Administrator

Randy Miller – System Architect

Robert Butler – Director of Engineering

Bailey Crockarell – Senior Controls Engineer

Paul Howell – Controls Engineer

Rafael Nodal – PT Controls Engineer

Victor Nava – Controls Engineer

Tony Contreras – Controls Engineer

Wes Lang – Production Manager

Matthew Stiffey – Inventory Manager

Chris Bostwick – Panel Technician

Jessica Mitchell – Assembly Technician

Lauren Schuster – Executive Assistant

Technical Writer/Marketing

Andy Vinson – PT Graphics

Paul Jasczynski – Sales/Marketing



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Address Correction Requested



Note:

If you wish to receive this newsletter via email in the future, send an email message to lauren.s@logictechnologies.com with the subject set to "EMAIL request".