



**LOGIC**  
Technologies, Inc.

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*"Advanced and reliable technology solutions at an affordable cost"*

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**Logic Technologies, Inc.** will be at the IIAR Conference & Exhibition in Milwaukee, WI March 18-21, 2012 Booth #500

## Ideas for Articles of Interest?

Please submit articles or requests for articles to:

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# The Controller

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## New Product: 3G Wireless Modem

by Russ Nagel

Logic Technologies, Inc. is proud to announce a new, more reliable method for customers to get time-critical technical support. This can be especially important when product is on the line and time is critical. Analog phone lines are becoming less common, and can be quite troublesome. In some locations, they just don't work at all. When we are able to connect to your control system, it is almost as good as having one of our engineers standing there with you in front of the panel.

Our new wireless 3G modem gives you the security of a reliable connection. In addition to a reliable connection, there are other advantages:

- Alarm emails and texts can be sent independent of the company IT network.

- Access to your control system through the internet.

- Your laptop or smart phone can be used for internet-based connections.

The hardware is available for a moderate price, and the monthly internet service is comparable to a land line.

## Configure ECON to Record Alarm Acknowledgements from a Remote Computer.

by Russ Nagel

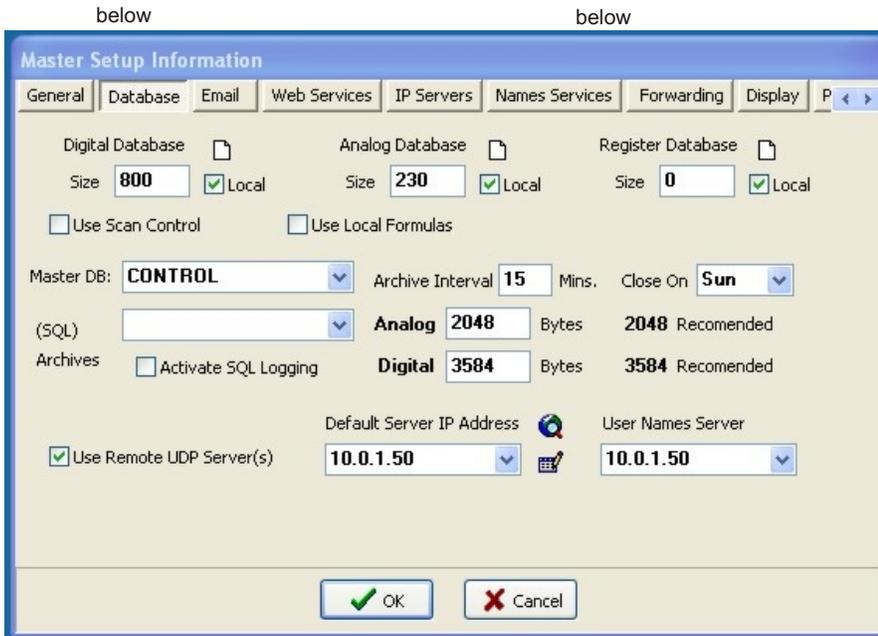
This article describes how to configure ECON to record which operator acknowledges an alarm from the remote computer. Everyone is familiar with the flashing alarm light icon and the Acknowledge box that shows up on the screen of a remote computer. The operator will acknowledge the alarm and the signal server will record who acknowledged the alarm as the user 'root'.

Unfortunately, 'root' doesn't tell us who actually acknowledged the alarm. Root is simply the generic ECON logon that is used by most facilities. ECON can be configured to look at the list of users on the signal server before anyone is allowed to logon to ECON. Configured in this way, when an operator acknowledges an alarm from the remote computer, the signal server will record who is logged on to the ECON computer as the person that acknowledged the alarm. This way, if there is a serious incident, we know who acknowledged an important alarm.

1. Open ECON and select 'Server' in the upper left hand corner.
2. Move the mouse downward and select 'Master Information'. Select the Database tab. **Fig. 1**

Server'. The IP address that goes here is the IP address of the signal server. This is typically the same IP address as the 'Default Server IP Address'.

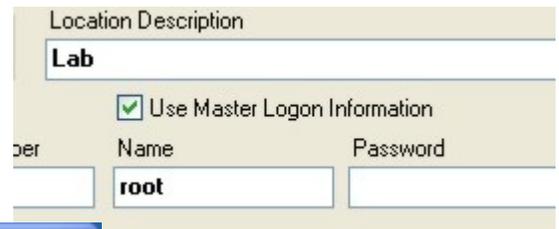
keys on the keyboard to right tab over to the 'Operations Flags' tab. **Fig 2.**



**Fig. 1**

In the lower right hand section of the Database tab there is a drop down field called 'User Names

3. While on the 'Master Setup Information' screen, use the left and right arrow



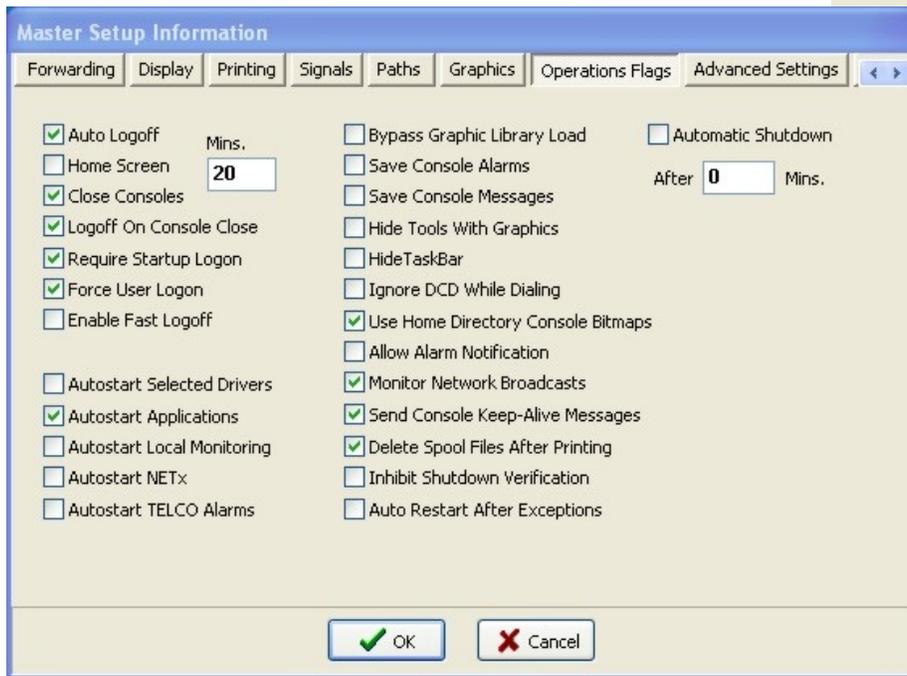
**Fig. 3**

Information' is checked. **Fig. 3**

Now it will be necessary to logon to ECON again.

10. Go up to 'Server' and move the mouse downward to 'Login'.

Your login will look similar to this. **Fig 4.**



**Fig. 2**

next page



**Fig. 4**

Your login may use the following:  
 User Number 1000, User Name root, and Password \*\*\*\*\*.

**11.** Uncheck 'Save ID' and Check 'Select Global Account'.

The operator should now use the logon information they use to logon to the signal server. NOTE: The level of permissions on the signal server also affects the permissions on ECON.

## Common Acronyms and Important Definitions

by Russ Nagel

Below is a list of industrial refrigeration related acronyms and thought it would be a good idea to create a list of some that are more common than others. This entire list is available by email request.

1% NH3	10,000 PPM
29CFR1910.119	OSHA's Process Safety Management Standard.
CFR	Code of Federal Regulation

40CFR68	EPA's Risk Management Plan Standard 40 CFR Part 68
AA	Anhydrous Ammonia
ACC	Accumulator
ANSI	American National Standards Institute
ANSI/ASHRAE Standard 15	Safety Code for Mechanical Refrigeration
ANSI/IIAR 3	2005 Ammonia Refrigeration Valves
ANSI/ISA-S 5-1984	Instrumentation Symbols and Identification
ANSI/NFPA 70	National Electric Code
ARM	IIAR's Ammonia Refrigeration Management Program was developed to assist smaller facilities under 10,000lbs of ammonia

ARTG	IIAR's Ammonia Refrigeration Training Guideline
BD	Piping Identification for Booster Discharge Line
CARO	RETA Certification: Certified Assistant Refrigeration Operator
CIRO	RETA Certification: Certified Industrial Refrigeration Operator
CD	Piping Identification for Condensate Drain or Condenser Drain Line
CPR	Vessel Identifier for Controller Pressure Receiver
DC	Piping Identification for Defrost Condensate Line
EQ	Piping Identification for Equalizer Line
ES	Piping Identification for Economizer Suction Line

HTRS	Piping Identification for High Temperature Recirculating
HTS	Piping Identification for High Temperature Suction Line
LSD	Piping Identification for Low Stage Discharge
LSS	Piping Identification for Low Stage Suction Line

## Training Info & Schedule

### 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 who has 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.

**Wednesday, May 9 thru Friday, May 11**  
**Wednesday, June 13 thru Friday, June 15**

### Advanced SST Sessions

This class session provides in- depth coverage of the screen and report development tools provided by our system. These classes also briefly cover 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.

**Wed, April 11 thru Friday, April 13**

### Training Enrollment

**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.**

Seating is limited so make your reservations early by contacting Kim Smith or Cindy Gaffney @ 770-389-4964



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