iFIX* Auto Alarm Manager
Reporting Remote Alarms Over Modem or WAN for Centralized iFIX Management

iFIX Auto Alarm Manager is an ideal application for the management of remote FIX or iFIX SCADA sites, such as Remote Water Plants, Remote Specialty Gas Manufacturing Plants, Remote HVAC or Refrigeration systems by connecting your remote sites to your central alarm management location via modem dial-up lines or a Wide Area Network. Alarm messages are transferred and logged centrally for your long term analysis and management.

Auto-Dialing for Message Transfer
FIX and iFIX are commonly used to monitor and control remote and unmanned applications. Customers in these applications often request the ability to automatically report remote site status or alarm information. The iFIX Auto Alarm Manager delivers exactly that functionality. On alarm, a remote FIX or iFIX node will dial a predefined number through its modem, and establish a RAS (Remote Access Service) TCP/IP connection to a central iFIX node for message transfer. Upon completion, the remote alarms can be automatically acknowledged.

WAN Connectivity
The iFIX Auto Alarm Manager additionally supports WAN (Wide Area Network) connectivity. In this mode, a remote node will simply connect over the WAN (through TCP/IP) and transfer messages. Upon completion, the remote alarms can be automatically acknowledged.

Support for iFIX Alarm Areas A-P and Three Alarm Priorities
iFIX supports two forms of Alarm Areas, the Classic A-P and the newer Named Alarm Areas. Auto Alarm Manager supports Reporting remote Alarms from the Classic A-P category. In addition, iFIX Auto Alarm Manager supports remapping alarm areas from the remote site to the central site (for example – all A-P alarms on a remote site can be mapped to only A on the central site). This enables the user to support up to 16 remote sites with unique A-P alarm organization on the central site.

If greater levels of organization are required, iFIX Auto Alarm Manager can be augmented on the central iFIX node by sending all alarms to a relational database utilizing the iFIX Open Database Connectivity (ODBC) interface. A relational database, combined with iFIX VisiconX Relational Database ActiveX controls, can provide unlimited viewing, filtering, and message management.

iFIX Auto Alarm Manager also supports the classic Low, Medium and High alarm priority functionality. Alarms can be filtered by these three levels. Any alarms outside these levels are either ignored (if they are informational or Lo-Lo) or treated as Hi (if they are Hi-Hi or Critical).

Leverage RAS Connectivity for Remote Site Management
iFIX Auto Alarm Manager relies on standard RAS connectivity between systems. This connectivity infrastructure can be leveraged in a number of additional ways.

Central sites can dial and connect via RAS to a remote site for file transfer and system maintenance.
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Once an RAS connection is established, a central site can start FIX or iFIX client functionality for the purpose of remote management and, with proper security, remote development through all standard iFIX product features.

Flexible Configuration
Alarm Reporting can be enabled or disabled based on a tag. Of course, a tag can be set on any combination of time or event.

Auto Alarm Manager provides support for both a Primary Call number as well as a secondary number and customers can set up a pair of central systems for enhanced reliability and logging to a common relational database.

In the event remote alarm reporting fails, iFIX Auto Alarm Manager provides the ability to set an Emergency tag. This tag can then be used to either indicate the failure locally, or take some additional local action.

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Extensive Diagnostics
The iFIX Auto Alarm Manager tab in Mission Control provides a full range of statistics including number of messages in the queue, messages transferred, failed transfers, primary and secondary delivery attempts and more. Receive statistics are also provided.

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Where to Get the iFIX Auto Alarm Manager for TCP/IP
An iFIX Auto Alarm Manager SIM can be accessed from the HMI/SCADA Productivity Packs folder in the Developer Downloads section of the GE lobalCare Website.

For more information on GE Products:
www.ge-ip.com

GE Intelligent Platforms Contact Information
Americas: 1 800 433 2682 or 1 434 978 5100
Global regional phone numbers are listed by location on our web site at www.ge-ip.com/contact

www.ge-ip.com