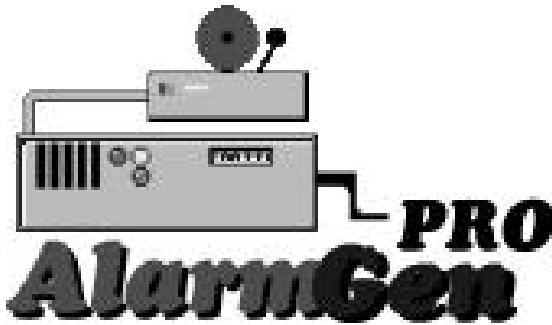

AlarmGen Pro User Guide



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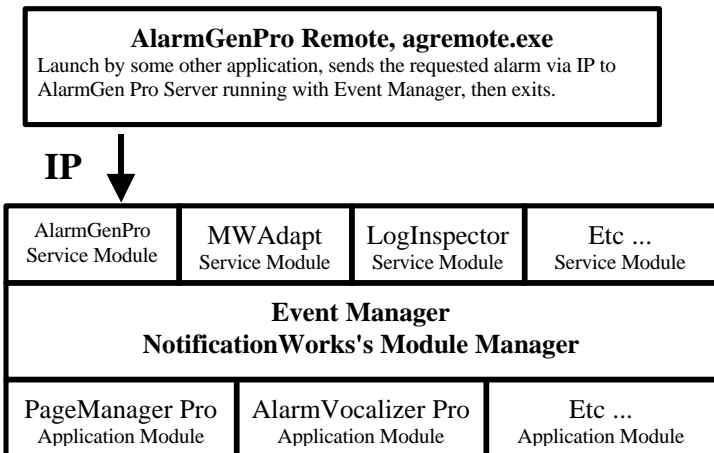
AlarmGen Pro Introduction

AlarmGen Pro is a NotificationWorks Service Module. The NotificationWorks is made up of modules that "plug-in" to the main module manager called, Event Manager. These modules fall into two categories, Service Modules and Application Modules. Service modules are those that either create, send, or modify event messages (alarms) and forward them to the Event Manager. The Event Manager then sends them along to all the Application Modules that have been installed.

AlarmGen Pro provides the means to create and send user defined alarms from the command line from anywhere on the network. AlarmGen Pro can be ran many ways, it can be launched from other programs, from DOS batch files, command prompt, etc...from anywhere on the intranet or internet You can pass AlarmGen Pro additional messages that can be added to the original alarm message. AlarmGen Pro has two componets, AlarmGen Pro Server and AlarmGen Remote. The remote program is called, agreremote.exe and can be ran from any PC that has an IP connection.

Operation

AlarmGen Pro requires the Event Manager, which comes with the service module portion of the NotificationWorks. Event Manager launches AlarmGen Pro Server automatically by default. Its purpose is to provide the connection from the AlarmGen Remote to the Event Manager.



Configuring AlarmGen Pro

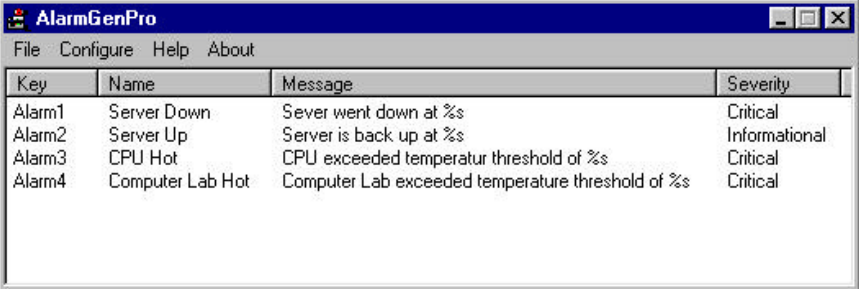
Items to Configure

This section will explain how to start AlarmGen Pro, create alarm messages and how to send them using AlarmGen Pro Remote. It's assumed that you have an installed and working Application Module and understand how Event Manager works. The checklist below shows the recommended task order.

1. Start AlarmGen Pro Server
2. Create alarm messages
3. Configure IP and Port Address
4. Configure some other program to launch AlarmGen Pro Remote

Starting AlarmGen Pro

Bring up Event Manager's screen, then select AlarmGen Pro from the list box. Now click the "StartUp" button. AlarmGen Pro should startup, if it then minimize, double click on the minimized icon and this should bring up the AlarmGen Pro's main configuration screen.



The screenshot shows the AlarmGenPro application window with a menu bar (File, Configure, Help, About) and a table of configured alarms. The table has four columns: Key, Name, Message, and Severity.

Key	Name	Message	Severity
Alarm1	Server Down	Sever went down at %s	Critical
Alarm2	Server Up	Server is back up at %s	Informational
Alarm3	CPU Hot	CPU exceeded temperatur threshold of %s	Critical
Alarm4	Computer Lab Hot	Computer Lab exceeded temperature threshold of %s	Critical

Creating Alarm Messages

Creating alarm messages is very easy. From the AlarmGen Pro's configuration menu click on the "Add Alarms" menu item and fill in the fields.



The screenshot shows a dialog box titled "Alarm Record". It has a blue title bar with a close button (X). The dialog contains the following fields and controls:

- Key:** A text input field with a "10 Char. Max" label to its right.
- Name:** A text input field.
- Message:** A text input field.
- Severity:** A dropdown menu.
- Buttons:** "Add" and "Done" buttons are located at the bottom right of the dialog.

Key: This has to be a unique name. This is the name by which you will call up the alarm message.

Name: Name of the alarm

Message: This will be the alarm message that will be sent. You can also embed "tokens" or variables to be filled in when AlarmGen Pro Remote is launched by using the "%s" token in the message string.

Severity: Choose a severity from the drop down list that you want to assign to this alarm.

Configuring the IP and Port Address

You will need to tell AlarmGen Pro Server what port to listen on and then tell agremote.exe what IP and port address to send alarms to. To configure the port address for AlarmGen Pro Server click on the Configure menu then the menu item, "Change Listening Port". By default it will use 32032, you can choose any unused port address.

On AlarmGen Pro Remote, agremote.exe, you will need to tell it where AlarmGen Server is at, ie. IP and Port address. To configure these run agremote.exe. It will notice that no commandline parameters were passed and bring up the help box, click on the "Configure" button and fill in the fields.

Configuring the Remote Command Line Parameters

In order for AlarmGen Pro to function you will need to have AlarmGen Pro Server running at all times. This server will receive the AlarmGen Pro Remote alarm messages.

When you configure another program to launch AlarmGen Pro Remote, `agremote.exe`, you will need to pass along some command line parameters, for instance:

```
agremote /k=alarm1 /n=Accounting /p1=4:02pm
```

AGREMOTE.EXE will send the string, `"/k=alarm1 /n=Accounting /p1=4:02pm "` to the configured IP and Port address of the AlarmGen Pro Server. When AlarmGen Pro Server receives the messages it will find the alarm by key, "alarm1" (`/k=alarm1`) and that it is about the node named, "Accounting", (`/n=Accounting`). AlarmGen Pro will load up this alarm and replace any "tokens" with the `/p(n)` parameters. So if you have a configured alarm with the message,

```
"Server %s went down at %s"
```

The `/p1=Accounting` will go into the first "%s" (token) cause of the 1 after the `p` eg `/p1`. Then `/p2=4:02pm` will go into the 2nd "%s" so it will look like:

```
"Server Accounting went down at 4:02pm"
```

AlarmGen Pro Server will then forward it along to the Event Manager for dispatching.

Possible command line parameters are:

```
/k= Alarm's key name, this is required  
/n= Affected node name, this is optional  
/pn= other values to insert into the alarm message, where n can be  
1 or higher. ie.. /p1=system /p2=computer /p3=harddrive  
/list Retrieves the list of configured alarms from AlarmGen Pro Server  
/ip Allows configuring of AlarmGen Pro Server's IP and Port address.  
No Switches Help Box
```

There is no limit of how many parameters you can pass into the message, (other than the command line character length limit of 256).

