AlarmWorX32 - Viewer Quick Start

APPLICATIONS NOTE

August 2004

Description: Quick Start for configuring the AlarmWorX32 Viewer ActiveX.
OS Requirement: The operating system required is Win 2003/XP/2000/NT/95/98/Me.
General Requirement:

AlarmWorX32 manages the Alarm and Event (A/E) information of your SCADA application. The following table shows the specific alarm management tasks and the AlarmWorX32 module performing the task. The highlighted task is described in this application note.

Functionality	*AlarmWorX32 Module*
Alarm Generator	ICONICS Alarm Server
Event Generator	GenEvent Server
Alarm & Event logging	Alarm Logger
Current A/E presentation	**Alarm Viewer ActiveX**
Historical A/E presentation	Alarm Report ActiveX
Multimedia Annunciation	AlarmWorX MMX
A/E container application	AlarmWorX32

Capabilities:

- Present real-time and OPC Alarm & Event Data
- Alarm & Event presentation is freely configurable.
- Intranet/Internet ready
- Multi-language support

Configure the Alarm Viewer:

To configure the Alarm Viewer, the following steps have to be completed.

1. Start **GraphWorX32** (or the A/E Container application)
2. Click the **ICONICS AWXView32** ActiveX which can be found in the ActiveX Toolbar. Its icon represents an alarm bell.

Fig. 1 ActiveX Toolbar

3. Double-Click the **Alarm Viewer ActiveX** in order to change its properties.

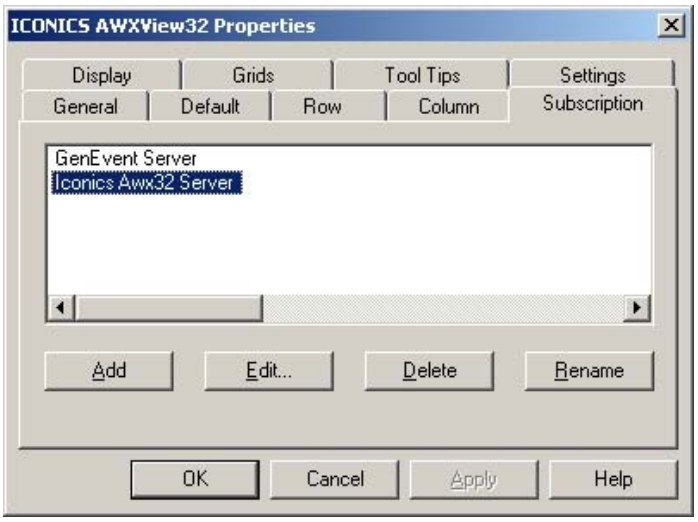


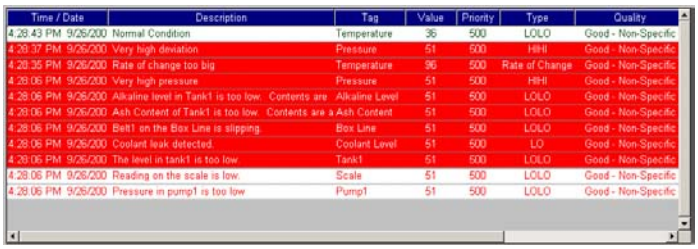
Fig. 2 AlarmWorX32 Viewer Properties

The two most important tabs are **Column** and **Subscription**. The subscription specifies to which alarm / events servers the viewer is connected to. It also describes which alarm attributes we request from these servers.

The Column tab specifies which alarm attributes are mapped into which columns.

The default configuration of your Alarm Viewer ActiveX has already a proper connection to the local Event Server and the local Alarm Server.

4. Select **Runtime** from the GraphWorX32 menu.



Time / Date	Description	Tag	Value	Priority	Type	Quality
4:28:43 PM 9/26/200	Normal Condition	Temperature	36	500	LOLO	Good - Non-Specific
4:28:37 PM 9/26/200	Very high deviation	Pressure	51	500	HIHI	Good - Non-Specific
4:28:35 PM 9/26/200	Rate of change too big	Temperature	96	500	Rate of Change	Good - Non-Specific
4:28:06 PM 9/26/200	Very high pressure	Pressure	51	500	HIHI	Good - Non-Specific
4:28:06 PM 9/26/200	Alkaline level in Tank1 is too low. Contents are	Alkaline Level	51	500	LOLO	Good - Non-Specific
4:28:06 PM 9/26/200	Ash Content of Tank1 is too low. Contents are a	Ash Content	51	500	LOLO	Good - Non-Specific
4:28:06 PM 9/26/200	Belt1 on the Box Line is slipping.	Box Line	51	500	LOLO	Good - Non-Specific
4:28:06 PM 9/26/200	Coolant leak detected.	Coolant Level	51	500	LO	Good - Non-Specific
4:28:06 PM 9/26/200	The level in tank1 is too low.	Tank1	51	500	LOLO	Good - Non-Specific
4:28:06 PM 9/26/200	Reading on the scale is low.	Scale	51	500	LOLO	Good - Non-Specific
4:28:06 PM 9/26/200	Pressure in pump1 is too low.	Pump1	51	500	LOLO	Good - Non-Specific

Fig. 3 Alarm Viewer in action