

DATA SHEET PARCalarm

Versatile Supervisory Alarm Engine

Configure complex, multi-variable alarms from an easy-to-use configuration screen.

PARCalarm Captures Key Process Variable Excursions and Sends an Automatic Notification to Your Email or Phone When Events Occur.

Define alarm rules with easy-to-use templates and store events in a universal event database that can be used together with other dataPARC products.

- ✓ Enables effective reporting for major initiatives
- ✓ Provides root-cause analysis for process excursions
- ✓ Delivers timely notification to the right people

Example Applications

Lost Opportunity Analysis

Provide actionable information to reduce operation downtime and improve overall equipment effectiveness.

Environmental Monitoring

Improve environmental reporting and take more proactive actions.

Statistical Process & Quality Control (SPC/SQC)

Integrated Western Electric rules for providing real-time plant floor displays.

KPI Control Charting

Provide actionable information to improve Key Performance Indicators throughout the plant.

Key Features

Select alarm type:

<input type="radio"/> Min/Max	Alarms when tag value is outside of a [TAG] > [MAX LIMIT] OR [TAG] < [MIN LIMIT]
<input type="radio"/> SQC	Alarms when tag value is outside of a [TAG] > [SQC MAX LIMIT] OR [TAG] < [SQC MIN LIMIT]
<input type="radio"/> SQC Hourly Average	Alarms when tag hourly average outside of [TAG HOURLY AVERAGE] > [SQC MAX LIMIT] OR [TAG HOURLY AVERAGE] < [SQC MIN LIMIT]
<input type="radio"/> Custom 1	Alarms when tag value(constant) is g [TAG OR CONSTANT] </> [TAG OR CONSTANT]
<input type="radio"/> Custom 2	Alarms when tag value is greater or less [TAG] </> [DIFFSET] </> [TAG OR CONSTANT]

Templates

Easily create alarm rules (conditional rules, Western Electric SQC/SPC, noise filtering, etc.).



Universal Events

Alarm event data can be used with other dataPARC applications.

Start: 4/ 3/2013 18:02:37 End: 4/ 3/2013 18:00:37 Delta Time: 01:06:00

Rule: Outside

Process: PW1

Reason: Plant - Mechanical - Boiler

Comment: The boiler tripped due to an issue with the fuel feed. This caused an interruption to the process steam taking down the production line.

Annotation

Annotate and assign reasons for events.

Send To... Cc... Subject:

Notification

Receive automated notifications through email or SMS texting.