

DynAMo™ Alarm Suite R100



Honeywell's DynAMo Alarm Suite R100 brings together key software for a comprehensive solution to increase safety and operator efficiency. A combination of tools for alarm monitoring, enforcement, and alerting and notification offers users a single, simple solution that includes our most powerful advanced applications for effective alarm management.

Benefits of DynAMo Alarm Suite R100

Avoid abnormal situations and downtime

- Early detection of abnormal situations
- Notification of user-defined, time-based and process-value-based conditions
- Easy identification of problem areas
- Control system monitoring to identify alarm configuration changes deviating from engineered designs
- Causes, consequences and corrective action review for each alarm in the master alarm database

Ensure compliance and best practice

- Collect and store alarm and event data from any source and automatically generate web-based, standards-compliant key performance indicator reports of alarm system performance
- Metrics and reporting to compare with industry standards
- Drives implementation of strategies in line with industry recommendations and standards
- Track alarm limits and monitor the master alarm database including documentation and enforcement
- Automatically enforces rationalized values
- Provides deviation reporting



Increase operator effectiveness

- Reduces the load on operators by automatically monitoring process conditions and providing early automatic notification of events
- Decreases alarm flooding for more effective responses
- Configure email notifications for alerts to keep workers mobile
- Quickly identify the highest ROI changes to the automation system with metrics and reporting
- Supports document rationalization efforts

Consolidated Expertise

DynAMo Alarm Suite R100 brings together the best of Honeywell and Matrikon's advanced software for a single control system-independent solution.

Three applications help develop an effective alarm strategy to improve safety, availability and profitability.

Metrics and Reporting

Metrics and reporting functions help plants eliminate nuisance alarms, ensure compliance and improve analysis of alarms and events:

- Seamless collection and storage of alarm and event data from any DCS, SCADA or PLC
- Automatic web-based key performance indicator (KPI) reports, compliant with industry standards (EEMUA 191, ISA 18.2, API 1167)
- Trends with events displays – process data and alarm data in one view
- Live viewing, filtering and analysis (with multiple standard reports) over the web through thin clients

Documentation & Enforcement

The Master Alarm database helps plants drive and sustain improvements in alarm management. Capturing documentation, configuration and rationalization data, it ensures engineered configurations remain in effect over the lifecycle and alarm limits are consistent with operating limits:

- A central location for alarm settings and documentation
- Detects disabled or modified DCS alarm settings and can enforce the rationalized values
- Provides operator support with online help describing the cause and effect of an alarm and the recommended response
- Records and stores equipment constraints and operating boundaries as well as DCS alarm settings
- Provides a complete audit trail with a log of all changes made to the alarm system

Alerts and Notifications

Improve situational awareness, without adding unnecessary alarms. Near-real time alerts and notifications highlight where process data is outside limits to provide an early indication of trouble, before an alarm is justified. Users can monitor any data available through an OPC DA server.

- Reads process data and can connect to multiple OPC servers in one view
- Simple and combination alerts with a rich set of algorithms and condition types
- Allows pager and email notifications of alerts raised
- Public and private alert sources allow sites to configure common alerts and individual users to configure their own

Lifecycle Support

Honeywell brings the industry's most extensive engineering and consultancy experience to guide users through the alarm management lifecycle.

Benefit from benchmarking and assessment audits, and services for alarm philosophy definition, rationalization and implementation, execution and maintenance to drive a process of continuous improvement.

For More Information

Learn more about how Honeywell's DynAMo Alarm Suite can improve your alarm system performance and plant safety. Visit our website www.honeywellprocess.com/software or contact your Honeywell account manager.

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