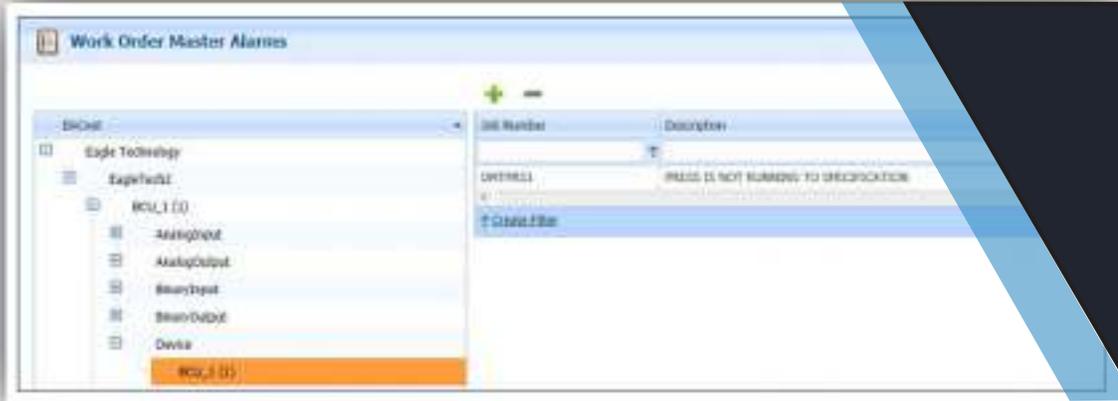# Proteus Alarm Interface

Integrate with your Building Automation System to issue work orders

Proteus Alarm Interface (PAI) provides continuous alarm monitoring via a direct interface to most Building Automation Systems (BAS) that support the BACnet standard. PAI automatically issues work orders based on alarms, events or equipment runtimes. The work orders define specific tasks and parts required to complete the job quickly and efficiently. Work orders may be sent via e-mail, printer, or sent directly to a technician's mobile device informing them of alarm status and actions.

PAI provides one-of-a-kind integration with BAS environments to help facilities around the world achieve cost-effective maintenance management. Benefits include:

- Automated work order generation
- Managed workloads to correspond with available manpower
- Increased asset life
- Enhanced response time
- Reduction in paperwork and communications cost

Specifications

Proteus Data Interface (PDI) is a device instance, running as a client, facilitating receipt of alarms from selected objects. Configured alarms are sent to Proteus for automated work order generation based on predetermined tasks. PAI supports both Algorithmic Change and Intrinsic Reporting.

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Proteus Alarm Interface

PAI Requirements

- The Alarm Manager and Alarm Configuration Programs must be located on the same LAN(subnet) as the BACnet network. Multiple subnets require routers.
- A third party software is used for BACnet comunications using BACnet/ IP or ISO 8802-3 (ethernet). Manual configuration for binding to ethernet adapter is required.
- The Alarm Manager or Alarm Configuration programs cannot be installed on the same work-station with other programs that will also be communicating on BACnet.
- PAI implementation requires setup and configurable by trained system integrators.

Supported Objects

There are no objects supported within the PDI device. This list identifies the object of vendors' devices that are configurable to PDI:

- Binary Input
- Binary Output
- Binary Value
- Multi-State Input
- Multi-State Output
- Multi-State Value
- Analog Input
- Analog Output
- Analog Value

Vendor Requirements

Vendor device compatibility with ANSI/ASRAE standard 135-2001.
- Support Intrinsic or Algorithmic Change Reporting.
- Support BACnet/IP or ISO 8802-3 (Ethernet) protocol.
- Support ANSI X3.4 Character Set
- Software capable of registering PDI device ID as a recipient for event notification.

    Eagle does not provide this function.