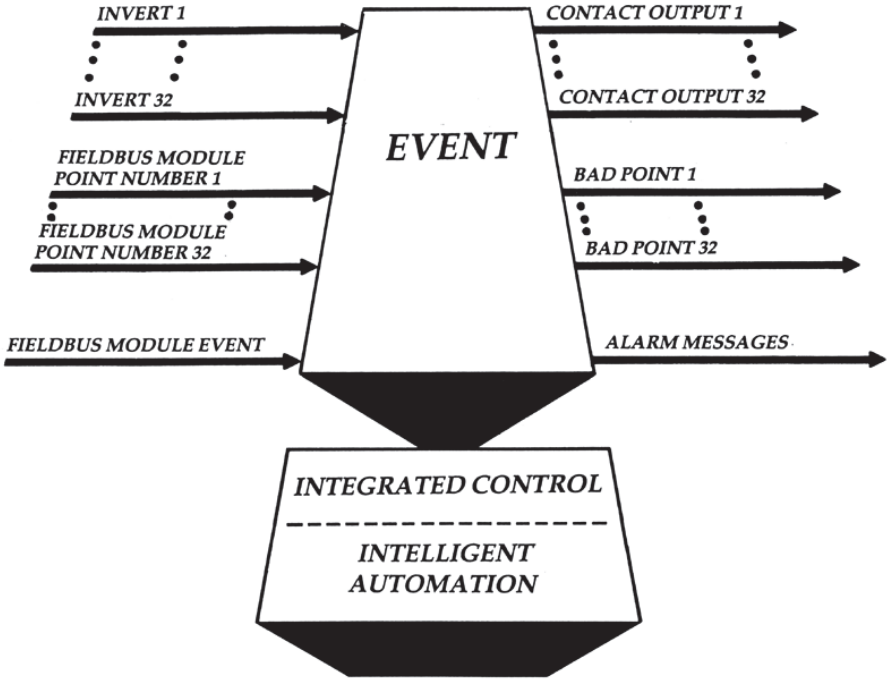
Foxboro Evo™ Process Automation System

Product Specifications

Foxboro by Schneider Electric

PSS 31S-3EVENT

Event (EVENT) Block



The EVENT block records up to 128 digital event sequences for reporting plant operating conditions or changes.

OVERVIEW

The EVENT block supports sequence of events recording executing in a digital-type Fieldbus Module. The Fieldbus Module detects positive and/or negative events (user configurable) on up to 32 inputs. Each event is timestamped with a 1 msec resolution. Concurrent events are timestamped with up to a 1-3 ms time difference, depending upon your configuration. For more information, refer to the section on “Timestamp Accuracy and Precision of SOE Data” in *Time Synchronization User's Guide* (B0700AQ).

Events are stored in a 128-event circular queue.

The block periodically scans the Fieldbus Module and reads the present digital-type input state and the event queue. If the event queue is non-zero, then events have occurred since the last EVENT block scan of the Fieldbus Module.

The EVENT block then reads the time-stamped events stored in the Fieldbus Module event queue. For each time-stamped event read, the EVENT block outputs a user-specified message.

STANDARD FEATURES

- Manual/Auto mode for disconnecting control schemes from the process on a per-point basis
- Bad input point detection and handling on a per-point basis
- Last good value retention
- User specified point description and fail text for each event message
- Up to 128 events per queue
- Priority and group on a per-EVENT block basis.

OPTION

- Point inversion on a per-point basis

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