

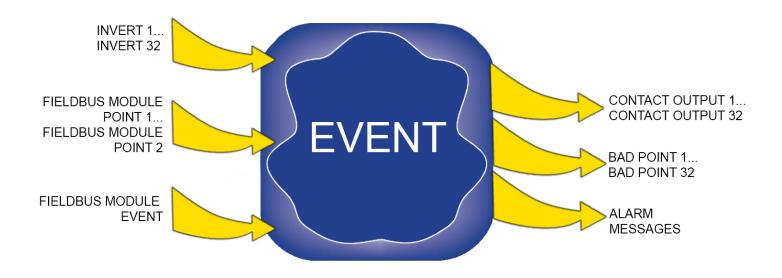
Foxboro[™] DCS

Event (EVENT) Block

PSS 41S-3EVENT

Product Specification

April 2019





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Overview Event (EVENT) Block

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

The EVENT block supports EcoStruxure™ Foxboro™ DCS Sequence of Events (SOE) recording executing in a digital-type Foxboro DCS Fieldbus Module (FBM). The FBM 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 FBM 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 FBM.

The EVENT block then reads the time-stamped events stored in the FBM 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 perpoint 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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