



## Features

### Adaptive Alarm Suppression

Adaptive Alarm Suppression reduces the complexity of managing a large number of deployed RIO nodes. They clearly indicate which contact inputs are in alarm suppression mode, and eliminate WAN pipe clogging due to excessive alarm notifications. They preserve alarm log integrity and notification resources for all alarm sources, while offering the quickest way for a contact input to return to active scanning mode without requiring user intervention.

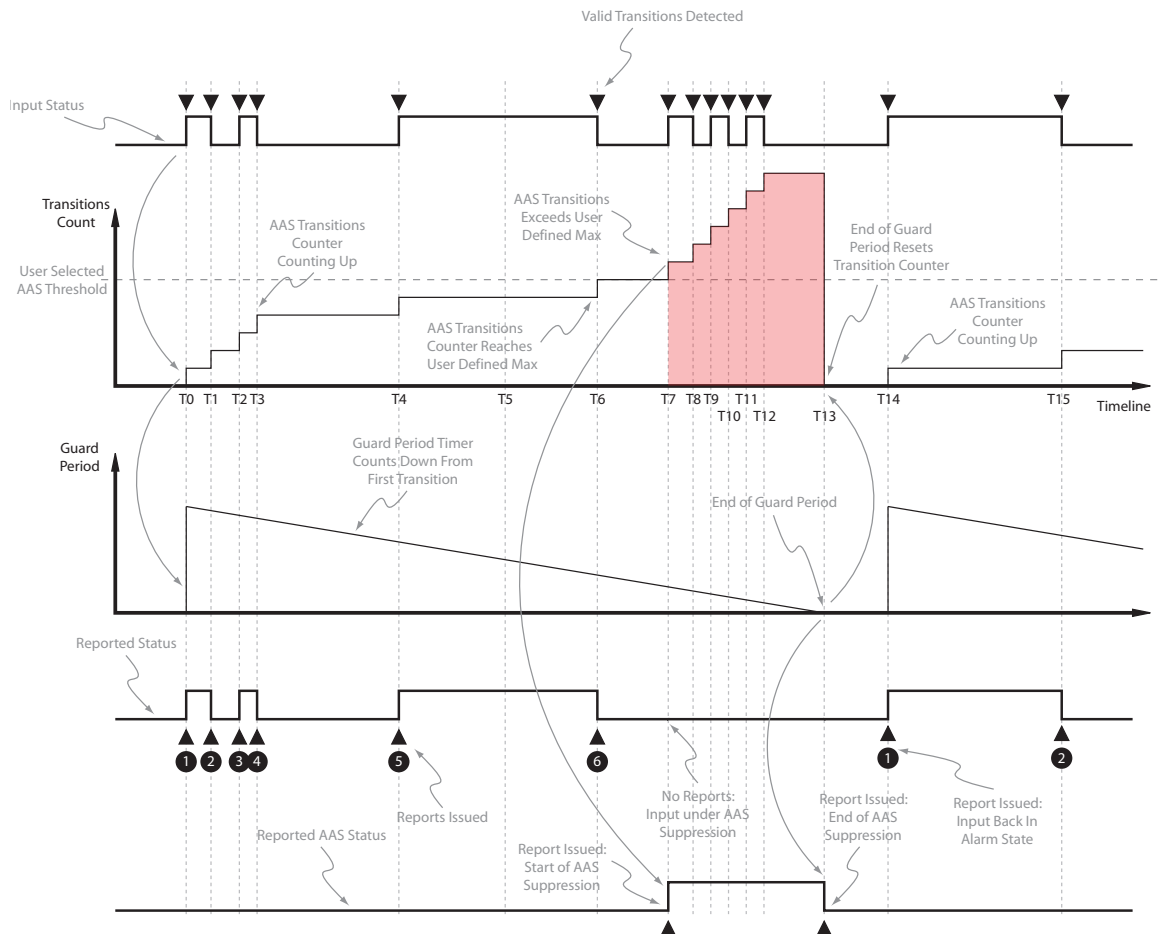


Figure 1.1 Adaptive Alarm Suppression

#### Alarm Suppression Mode

A contact input is automatically placed in alarm suppression mode if it exceeds a preset number of transitions within a guard period.

#### Guard Period

The guard period is implemented as a moving window which activates with the first alarm raised by the corresponding contact input. Once activated, the RIO nodes start counting the number of valid transi-



tions detected during the guard period. If the count exceeds the preset number of allowed transitions, the RIO nodes will place the contact input in alarm suppression mode and issue an alarm suppression notification.

## Notification

A notification is issued for each contact input placed in alarm suppression mode. RIO nodes keep a tally of all suppressed transition notifications until the end of the guard period. At the end of the guard period, the RIO nodes release the contact input from the alarm suppression mode and issue an alarm suppression release notification. The number of allowed transitions (global) per guard period can be defined by the user.