

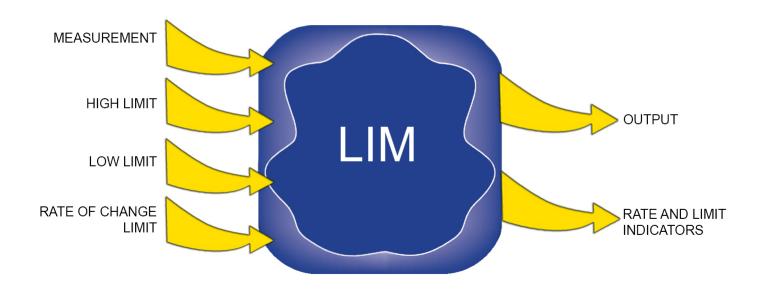
# **Foxboro™ DCS**

## Positional/Rate Limiter (LIM) Block

#### **PSS 41S-3LIM**

**Product Specification** 

#### May 2019





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#### **Overview**

The positional/rate Limiter (LIM) block is a signal positional/rate limiter for high-low absolute and rate-of-change limiting of the measurement input.

The LIM block provides rate-of-change limiting and high-low absolute limiting of the measurement input at the block's output. Rate-of-change limiting is performed on an optional basis. The amount of rate limiting is determined by the rate-of-change limit parameter, which represents the maximum absolute rate-of-change that the output can exhibit. A scaling factor specifies the units of time of the rate-of-change parameter so that the ratio of the fixed units of the measurement signal are dimensionally compatible with the rate-of-change over the block's time interval. Also provided are user-specifiable high and low engineering unit scales for the output and variable output limits. The block supports auto/manual output control. An input forces the output to track the measurement.

#### **Standard Features**

- Manual/Auto control of output
- · Follow input
- High-low absolute limiting (clamping) with Boolean output indicators
- · Option: Rate-of-change limiting with Boolean output indicator

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**WARNING**: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov/.

Schneider Electric Systems USA, Inc. 38 Neponset Avenue Foxborough, Massachusetts 02035–2037 United States of America

Global Customer Support: https://pasupport.schneider-electric.com

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