EcoStruxure™

Foxboro™ DCS

Positional/Rate Limiter (LIM) Block

PSS 41S-3LIM

Product Specification

May 2019

MEASUREMENT

HIGH LIMIT

LOW LIMIT

RATE OF CHANGE
LIMIT

LIM

OUTPUT

RATE AND LIMIT
INDICATORS

Schneider Electric™

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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

⚠️ **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/.

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