EcoStruxure™

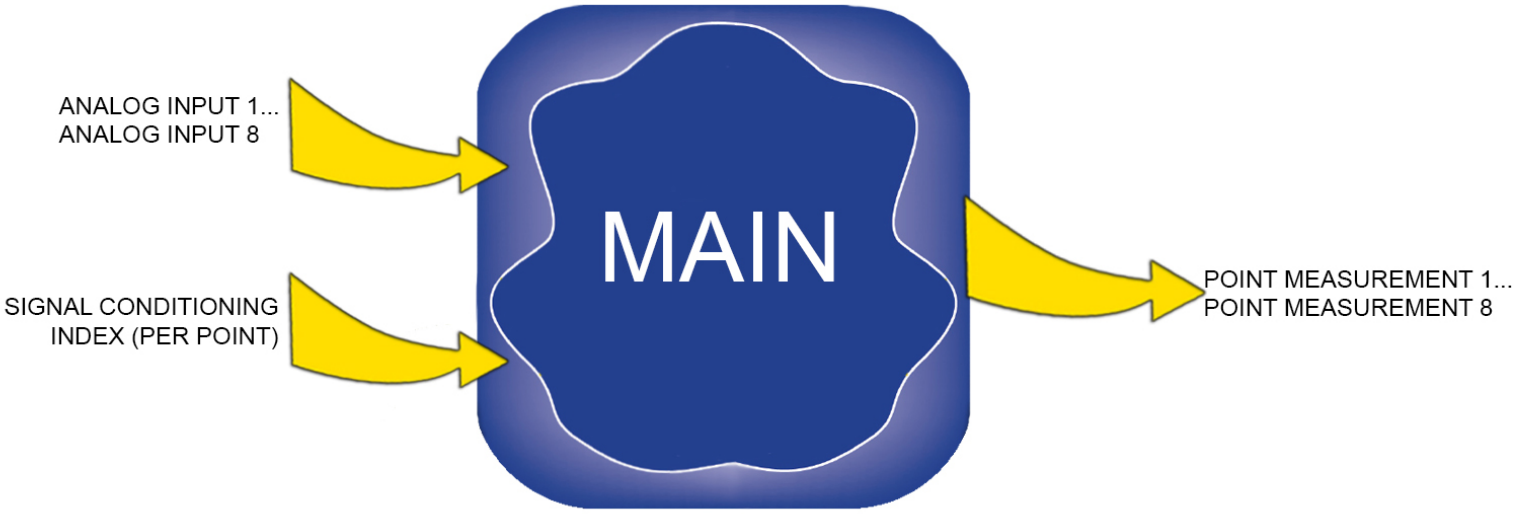
Foxboro™ DCS

Multiple Analog Input (MAIN) Block

PSS 41S-3MAIN

Product Specification

May 2019



Schneider Electric™

www.schneider-electric.com

Legal Information

Overview

The Multiple Analog Input (MAIN) block is a multiple channel signal conditioning block for scanning, filtering, and alarm implementation on field measurements. A single reference junction temperature compensation measurement, generated in the Fieldbus Module, supports thermocouple inputs.

The MAIN block reads data in raw counts from up to 8 analog input points from the specified Fieldbus Module. After validation, the raw counts are conditioned and converted into engineering units (in floating point) according to the specified signal conditioning index and engineering units range. The data is optionally filtered and made available at the point measurement output parameter.

Standard Features (Block Level)

- Manual/Auto unconditionally asserts all channels to Manual or Auto mode
- Alarm Inhibit disables alarm message reporting of any new alarms, for all channels

Signal Conditioning allows for connection to various I/O types. For more details, see *Integrated Control Block Descriptions* (B0193AX).

Standard Features (Per-Channel Basis)

- Bad input point detection and handling
- Last good value retention

Options (Block Level)

- Temperature compensation measurement

Options (Per-Channel Basis)

- Selectable signal conditioning
- First or second order filtering
- High/Low absolute alarming
- Bad point alarming

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

As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

PSS 41S-3MAIN, Rev A