PLUS+1® Inputs Function Block Library
70026746v402
Revision History

This file contains important supplementary and late-breaking information that may not appear in the main product documentation. We recommend that you read this file in its entirety.

Version 4.02 (June 2020)

What is Included
- PLUS+1 GUIDE Function Blocks (In SDL)
- User Manual (In SDL)
- Service Tool Log Screens

What is New
- Sensor_2Pt: Added documentation about HiCal and LoCal ordering.
- Sensor_2Pt: Feature Change: Deadbands are no longer swapped when the value of HiCal is smaller than LoCal. This aligns the functionality to be consistent to Sensor_3Pt.
- Sensor_2Pt: Documented fault condition for Input greater than SnsrPwr.
- Sensor_3Pt: Added documentation about HiCal, MidCal, and LoCal ordering.
- Sensor_3Pt: Feature Change: Added fault condition for Input greater than SnsrPwr. This aligns the functionality to be consistent to Sensor_2Pt.

Known issues
- None

Minimum Requirements
- PLUS+1 GUIDE 10.1 or greater
- PLUS+1 Service Tool 10.1 or greater
Version 4.01 (February 2019)

What is Included
- PLUS+1 GUIDE® Function Blocks (In SDL)
- User Manual (In SDL)
- Service Tool Log Screens

What is New
- Added existing service screens to the library structure.
- Changed font used in service screens from Tahoma to Verdana.

Known issues
- None

Minimum Requirements
- PLUS+1 GUIDE 10.1 or greater
- PLUS+1 Service Tool 10.1 or greater

Version 4.00 (June 2016)

What is Included
- PLUS+1 GUIDE® Function Blocks (In SDL)
- User Manual (In SDL)
- Service Tool Log Screens

What is New
- Support for Professional Licensing.

Known issues
- None

Minimum Requirements
- PLUS+1 GUIDE 8.1 or greater

Version 3.00 (January 2016)

What is Included
- PLUS+1 GUIDE® Function Blocks (In SDL)
- User Manual (In SDL)
- Service Tool Log Screens

What is New
This library is a replacement for the input functions found SD Basic FB Library (PN: 10103408).

- Companion service tool screens that can be imported to P1D files.
- Embedded checkpoints and namespace for each function block to support service tool integration.
- IO bus for alternative connectivity to your application.
- Requires specific data types for all inputs.
- Connection errors now indicate (by page name) which input has a problem.
  - FNR_Direction
    - Direction now will not change unless feedback is zero while both Fwd Sw and Rvs Sw are false.
  - Multi_Dig_In
    - Added 10% Grd Bnd hysteresis in Select mode
  - Sensor_2Pt_AC
    - Added Return To Neutral Configuration
    - Added GndDetVolt signal to adjust threshold for grounded input detection
  - Sensor_2Pt_AC
    - Added Return To Neutral Configuration
    - Added GndDetVolt signal to adjust threshold for grounded input detection
  - Freq_to_RPM
    - Updated rounding divide function within the block.
  - Freq_to_Speed
    - Changed Puls/Rev limit to 1 - 50000.

**Known issues**
- None

**Minimum Requirements**
- PLUS+1 GUIDE 6.1 or greater
Support

Web


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