



# PLUS+1<sup>®</sup> 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.
- Various User Manual corrections.

### 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**

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