# PLUS+1® Compliance IX12-010 HWD 10105231v215
### 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 2.15 (March 2019)

## What is Included
- PLUS+1 GUIDE Function Block (In HWD)
- User Manual (In HWD)
- Recommended Machine Startup Procedures (In HWD)
- Data Sheet (In HWD)
- 10105451v120_IX12.hex Firmware (In HWD)
- PLUS+1 IO Module Communications (In HWD)
- IX12-010 Diagnostic File (In HWD)
- Release Notes (this document)

## What is New
- Fixed an issue where the software would use an old CRC for calculations.
- Fixed an issue where the software would get stuck transmitting the protocol version request message.
- Increased the robustness of the block, if a power cycle is detected, then timing messages will be resent.
- Corrected the descriptions for AnIn and Volt range descriptions.

## Known issues
- None

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

# Version 2.10 (January 2011)

**What is Included**

- Function block
- User Manual
- Data Sheet
- 10105451v112.hex Firmware
- PLUS+1 IO Module Communications
- IX12-10 Diagnostic
- Release Notes (this document)

**What is New**

- Added Separate **Updated** signals for Frequency and Analog MF inputs.
- Added Enable signal.
- Added Bus Recovery Time and Driver Recovery Time signals. Maintains backwards compatibility with version 2.00 of the IO Protocol.
- Protocol Request is now triggered by receiving a CAN message from the IO module.
- The timeout for a Protocol Response is now 1 second.
- Added option to detect if the IO module power is cycled. This then triggers all volatile parameters to be resent.

**Minimum Requirements**

- PLUS+1 GUIDE 4.1 or greater
- IX012-010 with 10105451v100 or newer firmware.

**Known issues**

- None

# Support

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