

PLUS+1® Compliance OX12-x10 HWD 10104547v215

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)
- 10103684V150.hex Firmware (In HWD)
- 70096625v170.hex Firmware (In HWD)
- PLUS+1 IO Module Communications (In HWD)
- OX12-x10 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.
- The block will now configure CurChgLim correctly for output channels.
- Increased the robustness of the block, if a power cycle is detected, then timing messages will be resent.
- Renamed the block from OX12-10 to OX12-x10 to indicate support for old and new hardware.

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
- 10103684v150.hex Firmware
- PLUS+1 IO Module Communications
- OX12-10 Diagnostic
- Release Notes (this document)

What is New

- The IO Protocol mask has been set to 0. Previous versions incorrectly set the mask to 7, creating a potential for unintended commands when used in the presence of other CAN communication protocols.
- The multifunction output configuration blocks now have the PinConfig and DefPinConfig signals connected by default.
- Added extra level of pin configuration validation during initialization to eliminate possible configuration change caused by previous firmware versions.

Minimum Requirements

- PLUS+1 GUIDE 4.1 or greater
- OX012-010 with 10103684v110 or newer firmware.

Known issues

None

Version 2.01 (July 2009)

What is Included

- Function block
- User Manual
- Data Sheet
- 10103684v140.hex Firmware
- PLUS+1 IO Module Communications
- OX12-10 Diagnostic
- Release Notes (this document)

What is New

 IO Protocol initialization now processes Protocol Response before other messages. This addresses issue of longer initialization time required for master devices with OS.ExecTime about 10 ms or greater.

Minimum Requirements

- PLUS+1 GUIDE 4.1 or greater
- OX012-010 with 10103684v110 or newer firmware.

Known issues

None

Version 2.00 (June 2009)

What is Included

- Function block
- User Manual
- Data Sheet
- 10103684v140.hex Firmware
- PLUS+1 IO Module Communications
- OX12-10 Diagnostic
- Release Notes (this document)

What is New

- Added Separate **Updated** signals for Frequency and Analog MF inputs.
- Added Enable signal.
- Added Current Change Limit, Bus Recovery Time, and Driver Recovery Time signals. Maintains backwards compatibility with version 2.00 of the IO Protocol.
- Non volatile parameters are only sent on startup if device's CRC is incorrect.
- 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
- OX012-010 with 10103684v110 or newer firmware.

Known issues

None

Support

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