PLUS+1 OX024-x10 PLUS+1 Compliance HWD 10104651v216

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 2.16 (May 2021)

What is Included

- PLUS+1 GUIDE Function Block (In HWD)
- User Manual (In HWD)
- Recommended Machine Startup Procedures (In HWD)
- Data Sheet (In HWD)
- 10103555v150.hex Firmware (In HWD)
- 70093606v170.hex Firmware (In HWD)
- PLUS+1 IO Module Communications (In HWD)
- OX24-x10 Diagnostic File (In HWD)
- Release Notes (this document)

What is New

- Fixed incorrect wiring in the Outputs-Group1 where the CurChgLim was connected to DitherFreq instead of the CurChgLim port.

Known issues

- None

Minimum Requirements

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

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)
- 10103555v150.hex Firmware (In HWD)
- 70093606v170.hex Firmware (In HWD)
- PLUS+1 IO Module Communications (In HWD)
- OX24-x10 Diagnostic File (In HWD)
- Release Notes (this document)

What is New

- Fixed an issue where the software would get stuck transmitting the protocol version request message.
- Fixed an issue where the software would use an old CRC for calculations.
- The block will now configure CurChgLim correctly for output channels.
- Added additional CRC requests to prevent a timeout condition that would reconfigure the device and cause outputs to turn off.
- Fixed issue where volatile timing messages were not being resent after a reconfiguration.

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
- 10103555v150.hex Firmware
- PLUS+1 IO Module Communications
- OX24-10 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.

Known issues
- None

Minimum Requirements
- PLUS+1 GUIDE 4.1 or greater
- OX024-010 with 10103555v120 or newer firmware.

Version 2.06 (July 2009)

What is Included
- Function block
- User Manual
- Data Sheet
- 10103555v140.hex Firmware
- PLUS+1 IO Module Communications
- OX24-10 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.

Known issues
- None

Minimum Requirements
- PLUS+1 GUIDE 4.1 or greater
- OX024-010 with 10103555v120 or newer firmware.

Version 2.05 (June 2009)

What is Included
- Function block
- User Manual
- Data Sheet
- 10103555v140.hex Firmware
- PLUS+1 IO Module Communications

- OX24-10 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.
- Fix: Feedback signals types have been corrected to be U16.

  Fix: Digital outputs failed to operate in Fixed Addressing mode with Extended Identifier CAN messages.

Known issues

- None

Minimum Requirements

- PLUS+1 GUIDE 4.1 or greater
- 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.
- Fix: Feedback signals types have been corrected to be U16.
- Fix: Digital outputs failed to operate in Fixed Addressing mode with Extended Identifier CAN messages.

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Create a PLUS+1 Helpdesk Case

http://plus1helpdesk.danfoss.com/

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