



PLUS+1[®] Compliance IOX24-x20 HWD 70026968v215

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)
- 10103707v140.hex Firmware (In HWD)
- 70093610_V170.hex Firmware (In HWD)
- PLUS+1 IO Module Communications (In HWD)
- IOX24-x20 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 IOX24-20 to IOX24-x20 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 1.10 (January 2011)

What is Included

- Function block
- User Manual
- Data Sheet
- 11064150v110.hex Firmware
- PLUS+1 IO Module Communications
- IOX24-20 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
- IOX024-020 with 11064150v100 or greater firmware.

Known issues

- None

Version 1.02 (July 2009)

What is Included

- Function block
- User Manual
- Data Sheet
- 11064150v100.hex Firmware
- PLUS+1 IO Module Communications
- IOX24-20 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
- IOX024-020 with 11064150v100 or greater firmware.

Known issues

- None

Version 1.01 (June 2009)

What is Included

- Function block
- User Manual
- Data Sheet
- 11064150v100.hex Firmware
- PLUS+1 IO Module Communications
- IOX24-20 Diagnostic
- Release Notes (this document)

What is New

- Added option to detect if the IO module power is cycled. This then triggers all volatile parameters to be reset.
- Fix: CurChgLim parameter for Group 2 was previously being set with the value for Group 1.

Minimum Requirements

- PLUS+1 GUIDE 4.1 or greater
- IOX024-020 with 11064150v100 or greater firmware.

Known issues

- None

Version 1.00 (March 2009)

What is Included

- Function block
- User Manual
- Data Sheet
- 11064150v100.hex Firmware
- PLUS+1 IO Module Communications
- IOX24-20 Diagnostic
- Release Notes (this document)

What is New

- Initial Release

Minimum Requirements

- PLUS+1 GUIDE 4.1 or greater
- IOX024-020 with 11064150v100 or greater firmware.

Known issues

- None

Support

Web

<https://www.danfoss.com/en/products/software/dps/plus1-software-services-support-and-training/plus1-support-and-services/>

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