

YASKAWA

Release Notes for MotionWorks IEC

Release 3.6.1

December 6, 2019

New Features		
Number	Summary	Release Notes
12594	Change MS_WriteDigitalOutput and MS_ReadDigitalInput to Enable type operation	Added function block interface for MotomanSync digital I/O to be an Enable type function block
12643	Update MS_GroupReadStatus with new states added in 3.4 or 3.5	MC_GroupReadStatus now reports status of the MotomanSync groups that was not being populated, but was already available for local groups: StandStill, Interrupted, SynchronizedMotion, DiscreteMotion, ContinuousMotion
12647	AxesGroupRef structure populated with valid inputs for MotomanSync groups	Populate AxesGroupRef elements for MotomanSync groups: <ol style="list-style-type: none">1. Commanded positions in all frames: WCS, MCS, ACS, PCS2. AxesGroupRef.Status.State, AxesGroupRef.Status.Alarm3. AxesGroupRef.Axes.Name, AxesGroupRef.Axes.Label4. AxesGroupRef.Machine.Name, AxesGroupRef.Machine.Label5. AxesGroupRef.Limits6. AxesGroupRef.MaxLinearVelocity, AxesGroupRef.MaxAngularVelocity, AxesGroupRef.MaxAngularAcceleration, AxesGroupRef.MaxLinearAcceleration, AxesGroupRef.MaxLinearJerk, AxesGroupRef.MaxAngularJerk

Bug Fixes		
Number	Identified Issue	Details
12503	MS_Driver incorrectly latches CommandDone and CommandError bits if EIP data is not updated immediately	Improved communication handshaking between MPiec controller and robot controller when using MotomanSync groups.
12613	Y_GroupSetFrameOffset reports error without an error ID if executed when robot is in Held state	MotomanSync group using Y_GroupSetFrameOffset now reports ErrorID 9222 if the function is executed in an incorrect state such as when Interrupted with MC_GroupInterrupt
12739	MS_GroupSetFrameOffset gets stuck on Busy when robot state changes to wrong state	Y_GroupSetFrameOffset for a MotomanSync controlled group was getting stuck on Busy if previously queued commands returned error or if the controller goes into an invalid state for the function. It should return Error instead of being stuck in Busy
12763	Verify alarm sub code is working on MotomanSync using the 3.6 release	Alarm sub-codes now work properly for MotomanSync groups.

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Known Issues			
Number	Known Issue	Details	Workaround
825	Project file name length is limited to 24 characters	File name length is limited to 24 characters which can cause issues when saving.	Use a filename with 24 characters or less.
875	Hardware Configuration does not run when launched by a user who did not install it and who does not have Administrator privileges	Administrative privileges are required to install on Windows Vista or higher	Login with Administrative privileges before installing.
1034	Cannot connect to the controller from the Hardware Configuration if DNS reverse and forward lookups contain mismatching entries	If the DNS reverse lookup for the controller IP address returns a host name that has a forward lookup to a different IP address, then connection with the Hardware Configuration will fail.	Use a different IP address for the controller or fix the DNS entries on the DNS server.
1516	Project source code stored on controller has wrong extension in express (ZipFile.zwt, should be .zwe)	Project source code is saved with wrong extension for MotionWorks IEC Express usage (ZipFile.zwt, should be .zwe) when downloading the source code to the controller.	After uploading from the project archive from the web interface, extract Zip File.zwt, change file extension to .zwe before opening it with MotionWorks IEC Express.
1693	Slow compilation when Symantec Antivirus is enables	Compiler runs slowly when Symantec Antivirus is enabled.	Exclude MotionWorks IEC file types from virus scan. File types: cic, dbd, dip, dit, diw, st1, sto
5753	Logic Analyzer does not upload data when toolbar button "Stop recording values" is pressed.	Logic Analyzer will not upload data after pressing the stop recording value button. The log buffer must fill up first for the data to be transferred.	Use continuous trace data logging.
5833	I/O group address range does not match text in global variables I/O group name	Editing the name of EtherNet/IP or Modbus device, or adding and deleting devices with the same settings can cause a disconnect between I/O Groups and Variable Groups that can cause the variable addresses to be unrelated to I/O group address range.	Save the Hardware Configuration between deleting a device and reentering it.
6622	Project Wizard does not behave as expected.	In some circumstances, the Project Wizard will not create a new project.	For new projects, use the project templates instead of the Project Wizard.
6795	Unidentified Unicode text strings when using "Language for non-Unicode programs" setting	This occurs when the MotionWorks IEC language is set to Japanese or Simplified Chinese on an English language OS. There are some situations where the displayed text is unidentifiable; a series of question marks are displayed instead.	1. Using Windows Update, install all the Asian language packs. 2. Set the language for non-Unicode programs to Japanese: Settings→ Control Panel→ Region and Language→ Administrative→ Change my system locale Use Japanese formats: Settings→ Control Panel→ Region and Language→ Formats

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7052	After Communication Time out, Controller Utilities is Unavailable	When online, if communication to the controller is lost the Online Menu has items enabled and disabled as if the controller is still online.	This can be corrected by attempting to go online again. Using the invalid menu items does not produce any negative result.
11452	IMEMCPY, MEMCPY, MEMSET firmware function blocks moved from PROCONOS firmware library to LegacyProConOS firmware library	The MEMCPY and IMEMCPY function blocks are replaced by the MEMORY_COPY function block which is more stable than the older version. MEMSET function block is replaced with MEMORY_SET.	Replace old function blocks with MEMORY_COPY or MEMORY_SET FBs now in the PROCONOS library. (Alternately, include the firmware library LegacyProConOS in the project to continue using the older function blocks.)
11577	Hardware Configuration experiences significant slowdown on Windows 10 when using Controllers Configuration Utilities.	Closing the Controller Configuration Utilities box in Hardware Configuration takes several seconds longer when using Windows 10.	No workaround.
11766	MotionWorks IEC sometimes freezes if user uses "Create Global Variables from Externals" function.	There is a bug with multiple executions of the 'Create Global Variables from Externals' functionality in the same session that may cause MotionWorks IEC to freeze. The application needs to be killed and restarted to resume usage.	Close and restart MotionWorks IEC before executing again 'Create Global Variables from Externals'.