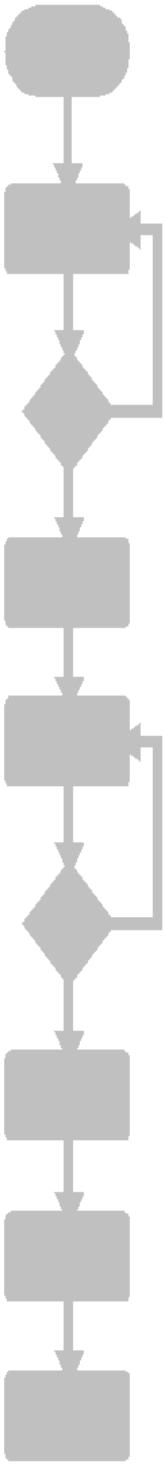

JetMove D203

Version update

from V2.13 to V2.14

Jetter

Revision 1.00

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Overview of version updates			
Version	**Description**	**New**	**Fixed**
V. 2.14.0.0	Oscilloscope - pre-trigger function	✓	
	Oscilloscope - new register for recording	✓	
	State "E - error response is active"	✓	
	Current pre-control		✓
	Sudden change of position when changing to a		✓
	Table mode and STOP command		✓
	Sudden change of position at the end of the acceleration ramp		✓

2 New features

2.1 Oscilloscope - pre-trigger function

(#1555) As of version 2.13.0.01, a pre-trigger is available for the oscilloscope function.

2.2 Oscilloscope - new register for recording

(#1721) As of version 2.13.0.02, the contents of register 511 "State of digital inputs" can be recorded.

2.3 State "E - error response is active"

(#2124) As of version 2.13.0.09 the state "E - error response is active" can be left by command 2 "Disable Power".
Further, the dwell time (td) is monitored in this state. In R558 Time-out "Error response" the maximum duration of the error response can be set (default = 10 seconds). If this duration is exceeded, the controller will de-energized immediately reporting error "F19 - Timeout error response".

3 Fixed bugs

3.1 Current pre-control

(#1455) If, at active current pre-control during high dynamic performance (= high currents) an error occurs which leads to deactivating the motion system, the following behavior might result:
After acknowledging the error and activating the controller, the motion system can accelerate by the current that has been calculated before deactivation by the current pre-control. Up to intervention of the speed control, the motion system can make uncontrolled movements.

As of version 2.13.0.03, this problem has been resolved.

3.2 Sudden change of position when changing to a new table

(#1624) When changing from the end of a table being currently processed to another table, for just one scan (= 2 ms) a wrongly calculated set position might be output to the position controller by means of ChangeType R432 = 3 (leading and following axis without modulo operation), respectively R432 = 2 (leading axis without modulo operation). Depending on the position controller settings, this can lead to a tracking error resulting in de-activation.

As of version 2.13.0.03, this problem has been resolved.

3.3 Table mode and STOP command

(#1667) If the table function is active, and if command 6 (= STOP) is issued during a phase of negative speed, the axis might jump. This could result in a tracking error with subsequent de-activation.

As of version 2.13.0.03, this problem has been resolved.

3.4 Sudden change of position at the end of the acceleration ramp

(#1889) In rare cases, the motion system can move uncontrollably at the end of the acceleration ramp.

As of version 2.13.0.03, this problem has been resolved.