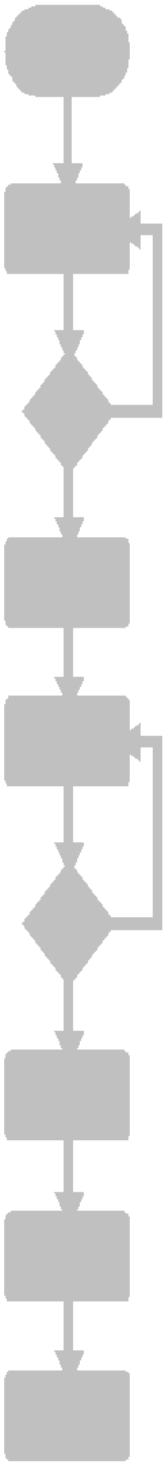

JetMove 1xx

Version update

from V2.13 to V2.14

Jetter

Revision 1.00

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Table of contents

1 Introduction

Overview of version updates			
Version	**Description**	**New**	**Fixed**
V. 2.14.0.0	Oscilloscope - pre-trigger function	✓	
	State "E - error response is active"	✓	
	Sensor type SineHall	✓	
	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 State "E - error response is active"

(#2124) As of version 2.13.0.03 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".

2.3 Sensor type SineHall

(#2094) For position feedback by means of Hall sensors being evaluated in analog mode, sensor type 19 (SineHall) was introduced.

This function is available as of version 2.13.0.02.

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 by the current pre-control before deactivation of the motion system. Up to intervention of the speed control, the motion system can make uncontrolled movements.

As of version 2.13.0.02, 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 2.13.0.02, 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 2.13.0.02, 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 2.13.0.02, this problem has been resolved.