

AE-MAESTRO Integrated Lift Control System

Motor Tuning Process

Version 1.0



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To carry out the AE-MAESTRO Motor Tuning Process you must follow and execute the following points:

1. First of all be sure that Motor-Parameter and encoder pulse are correctly entered to following menu path;

G2-Parameter -> P6-Motor Parameter

2. To check the Encoder type and Encoder pulse, look at the Encoder label and enter them to following menu.

G2-Parameter -> P6-Motor Parameter -> M1-Encoder Pulse

G2-Parameter -> P6-Motor Parameter -> M16-Encoder Type

3. Choose the Tuning Mode on Parameter:

G2-Parameter ->P6-Motor Parameter M18-Tuning Mode

AE-MAESTRO has two different tuning mode which are;

1-Stationary Tuning

In this tuning process motor does not rotate. Therefore, it can be used for motor with ropes already connected onto it.

2-Rotational Tuning

In this tuning process motor rotates. Therefore, all ropes must be disconnected.

Select the suitable one for your system.

4. To allow to enter the Tuning menu,
 - a. Inspection mode must be activated and till the tuning end it must be closed.
 - b. Safety line must be closed. (Pressing Run button on when inspection mode is on, will be closed the safety line).
5. To be sure Tuning is achieved correctly after "Tuning Achieved" message appearance on screen;
 - a. Run the lift with inspection mode Up direction and observe the speed.
 - b. Run the lift with inspection mode Down direction and observe the speed.

If your observed something wrong on the speed motor make Tuning Process again.

6. If Tuning Process is failed;
 - a. Around two of the motor lines (such as U and W) and make Tuning again,
 - b. Change the M17-Encoder Direction.
 - c. To find correct sequence do 'a' and 'b' again.