FAQ

YASKAWA

Title: Why do the ethercat objects Homing Speeds (object 6099h) and Homing Acceleration (609Ah) affect the final position when homing is completed?

Product(s): Sigma-5 Ethercat, Sigma-7 Ethercat	**DOC. NO.** SRV-4JY8XS

When running any homing routine with an ethercat drive (except method 35: "homing on the current position") the motor will come to rest at different positions based upon the speed and accelerations used when homing. This is because the homing routine begins to decelerate when either the index pulse or home sensor is triggered. The machine home position is set to the zero position when the index pulse or home sensor is triggered but the drive does not automatically move the motor to the machine home position. To home to a consistent position, execute a move command to the zero position offset value after the homing routine has been completed. If the zero position is not that same position as the home sensor, adjust the Home Offset (object 607Ch) to reflect the position at the home sensor.

 For more information on homing routines, see the Sigma-5 ethercat manual (SIEP C720829 04C) or Sigma-7 ethercat manual (SIEP S800001 55B).