

# How does the new synchronization option compare to the previous version?

Available for the Thomson Electrak® HD electric linear actuator, the synchronization option was recently re-developed. See below for what's new and what remains the same.



- True synchronization (position-based instead of speed-based)
- No need to change any cables or connectors
- Outer actuator dimensions remain the same
- Movement will no longer be allowed on the remaining units if communication or power is lost on any connected unit
- Red wire also resets the required number of connected actuators
- A maximum of eight (8) actuators can be synchronized
- Can provide feedback over CAN bus
- Units will no longer need to be realigned after any number of mid-stroke movements
- Units will now run at a speed close to what they are rated for at full load
- Slight adjustments to acceleration/deceleration
- Out-of-sync units will automatically line up when moving
- Ordering code (see the product label or shipping documents) determines the synchronization version for the actuator:
  - E.g. HD24B017-0150**SYN**MMSD = HD actuator with SYN1.0
  - HD24B017-0150**SY2**1MMSD = HD actuator with SYN2.0

