

Model 6528 General Position Electronic Actuator



The actuator was specifically designed to handle heavy duty positioning functions. It has some very unique features not found in any other actuators. First of all, it incorporates a manual override which allows the operator to position the unit manually. Secondly, it has an electro mechanical clutch arrangement which allows for spring centering or returning the mechanism to a neutral start position in case of power failure. The most important part, however, is that the unit has a resilient driven output shaft. This means that when the input shaft (motor driven side) gets ahead of the output shaft, the motor will actually stop and wait until the resilient link has caught up with the input side.

There are three different springs available for the resilient link:
100% spring which produces 600 inch lbs.
75% spring which produces 450 inch lbs.
50% spring which produces 300 inch lbs.

A potentiometer is also provided to give feedback to such things such as pitch indicators, throttles, gear boxes, etc. All the castings and hardware are constructed in bronze and stainless steel. For items that need accurate positioning, a push pull cable is not recommended because of the lost motion in push pull cables. A solid rod with rod ball ends is recommended.

Ordering Options:

6528- C = Clutch
P = Pitch
T = Throttle
S = Spring Return
B = Cable Bracket

Resilient Link Spring:

1 = 100% spring
2 = 75% spring
3 = 50% spring

Weight: 50lbs. (23 kg)

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