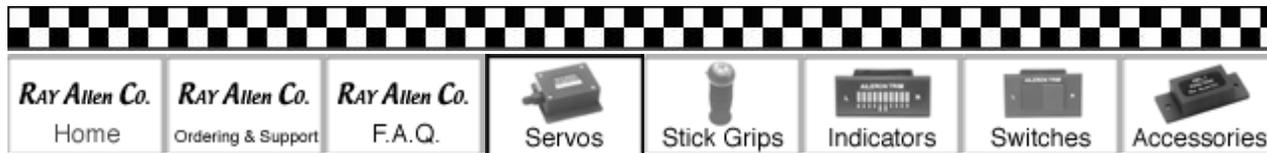


The Ray Allen Company^{Inc.}

2525-8 Pioneer Ave., Vista, CA 92081 USA PH 760 599 4720 FAX 760 599 4383



T2 and T3 SERVOS

Go to [T4 SERVO](#)

Ray Allen servos were designed specifically to control trim surfaces in homebuilt aircraft. They can also be used to operate other mechanisms within your aircraft, thus eliminating the need for bulky cables and pulleys.

Ray Allen servos operate on 12-14 volts DC. When activated they push or pull with tremendous force. Since this thrust is generated by means of a jackshaft (T2 series) or a jackscrew (T3 series), the output shaft will lock in any position when the electrical power is off. They will automatically stop when their travel limit is reached. No electronics are used to control Ray Allen servos and they will not travel unless power is switched on by the pilot. Voltage polarity determines the direction of travel.

Ray Allen has three different T2 and T3 servos available:

the **T2-7A** servo has .7" (17 mm) travel,

the **T2-10A** servo has 1.0" (26 mm) travel,

the **T3-12A** servo has 1.2" (31 mm) travel.

Check the specifications for a servo output travel that best suits your application. **A Ray Allen servo is included in a Ray Allen trim system**, (along with an indicator, rocker switch and a clevis/pushrod kit), or can be purchased individually.



T2-7A Servo



T2-10A Servo

\$135

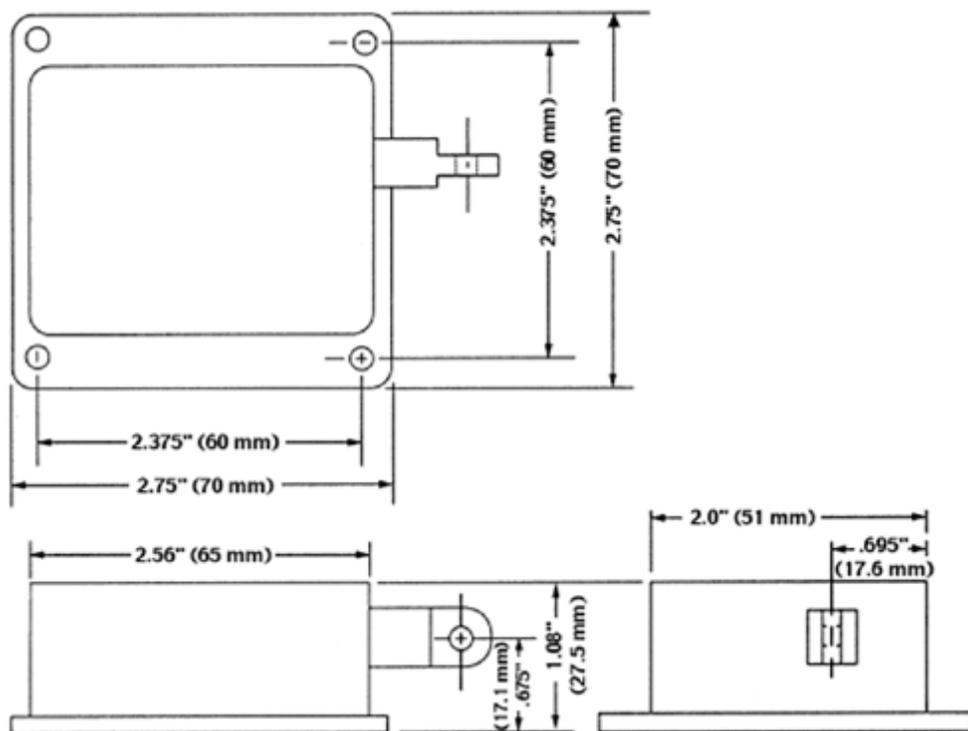
\$135

**T3-12A Servo**

\$155

T2/T3 SERVO SPECIFICATIONS

Operating Voltage	12-14 Volts DC
No Load Current (T2 and T3 series)	150 ma
Weight (T2 and T3 series)	4.0 oz. (113 grams)
Max Thrust (T2 and T3 series)	40 lbs. (18 kilos)
Output Shaft Movement (T2-7A)	0.7 inch (17 mm)
Output Shaft Movement (T2-10A)	1.0 inch (26 mm)
Output Shaft Movement (T3-12A)	1.2 inch (31 mm)
Output Travel Time (T2-7A)	10 seconds
Output Travel Time (T2-10A)	16 seconds
Output Travel Time (T3-12A)	19 seconds
Construction Material	Fiber Filled Nylon



T4-5 SERVO

The miniature T4-5 servo is designed for installation in very small ailerons and rudders. It is not recommended for elevator trim. The internal working mechanism is, in principle, the same as that used in our T3 series servo.

It is available in a complete trim system which includes a Ray Allen RS2 rocker switch and a special clevis/pushrod assembly. **There is no position indicator compatible with this servo.**



\$209

T4 SERVO SPECIFICATIONS

Operating Voltage	12-14 VDC
No Load Current	75 ma
Max Thrust	30 lbs. (13 kilos)
Weight	2.5 oz. (71 grams)
Output Shaft Movement	0.5 inch (13 mm)
Output Travel Time	15 seconds
Length	2.25 inch (57 mm)
Width	2.25 inch (57 mm)

Height	0.77 inch (20 mm)
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