

GA Model

Single Engine Thrust Control

Description

Kavlico's GA model thrust control is designed for use in single engine jet aircraft. The thrust control allows pilots to set the aircraft's multiple power levels.

When the pilot moves the thrust control lever, the internal triplex RVDT provides redundant signals to the FADEC control to increase or decrease the power level. Detents are provided for take-off, idle, and maximum continuous cruise.

Kavlico's GA model thrust control unit meets the small envelope, minimum weight, and high reliability demanded by today's highly competitive aerospace industry.

The thrust control design contains many features common to Kavlico's overall line of pilot control products. The device's reliability and durability have been verified through extensive qualification testing.

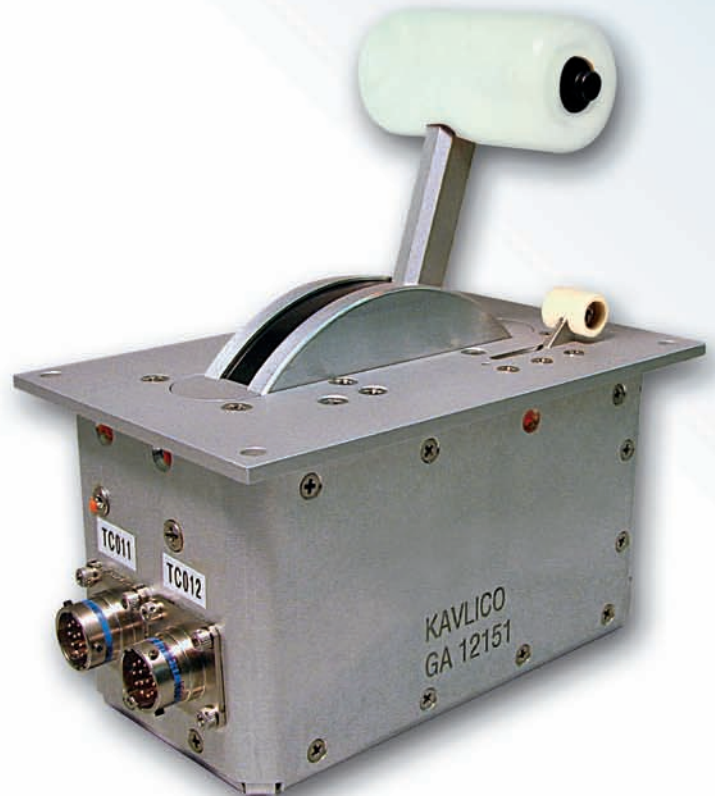
A momentary switch is located in the grip, making it easy-to-activate by the pilot.

The thrust control design makes extensive use of lightweight materials for both the body and handle.

The excitation and output for the RVDTs and switch are made via two connectors per D38999, Series III.

A full travel seal insures that foreign object debris is kept out of the thrust control mechanism.

The lever incorporates a gear drive, while an anti-backlash gear on the triplex RVDT turns the RVDT shaft with low backlash.



Features

- Triplex RVDT design
- Adjustable friction
- Design meets FAR Part 25 and RTCA-160
- 70,000 min. flight hours MTBF
- Simple 4-screw mount permits rapid line replacement

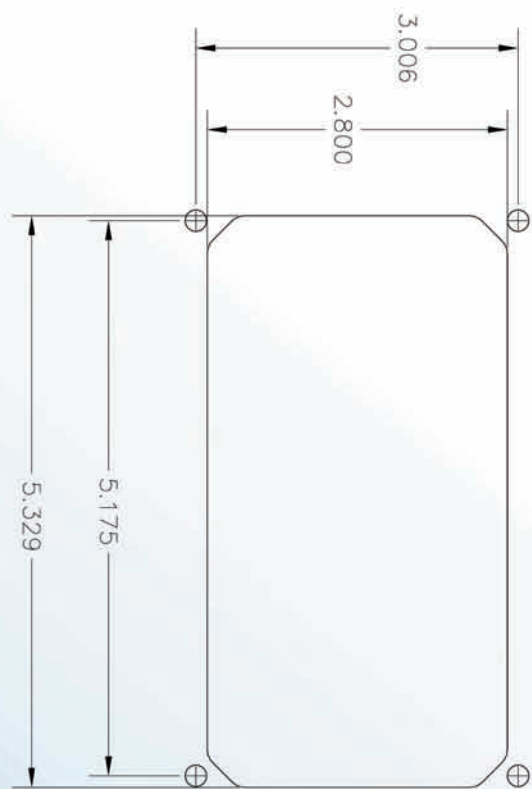
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Specifications

Positions:	Take-off, Maximum Continuous Cruise, Idle
Pilot Adjustable Friction:	From low to locked
Mechanical Travel:	73 degrees (approx. 6 inches)
Grip:	White (or customer color specific)
Push-To-Talk Switch:	MS8805, gold plated contacts
Electrical Receptacle:	Mil. Std. D38999, Series III
Color Scheme:	Fed-Std 595, color 36231 (lusterless gray)
Weight:	1.8 lbs. (0.8kg.) Max.

Cut Out Dimensions



Schematic

