



| FLIGHT SPOILER CONTROL LEVER (FSCL)

Description

Kavlico's Flight Spoiler Control Lever (FSCL) meets the small envelope, minimum weight, and high reliability demanded by today's aerospace industry. The design of the FSCL contains many features common to Kavlico's overall line of pilot control products. The FSCL's high reliability and durability have been verified through extensive qualification and endurance testing.

The lever is locked in the stow position. Once the button is depressed on the handle, the lever can be released from the stow position. As the lever moves, the output signals from the RVDTs change continuously. These signals are processed in the override to go to Emergency position flight control computer and the spoilers move to the commanded position (1/4, 1/2, 3/4, Max and Emer).

Four single channel RVDTs are connected to a lever through a geared mechanism, command signals generated are sent via two MIL-DTL-D38999, Series III connectors to the on board avionic system.



Features

- Mandatory stop at MAX with push button override to go to Emergency position
- 4-Channel RVDT position feedback
- Locked stow
- Emergency position gated to prevent inadvertent movement
- 9 soft detents
- LED illuminated panel (LRU)
- Simple 4-screw mount permits rapid line replacement with minimal tools.



SPECIFICATIONS

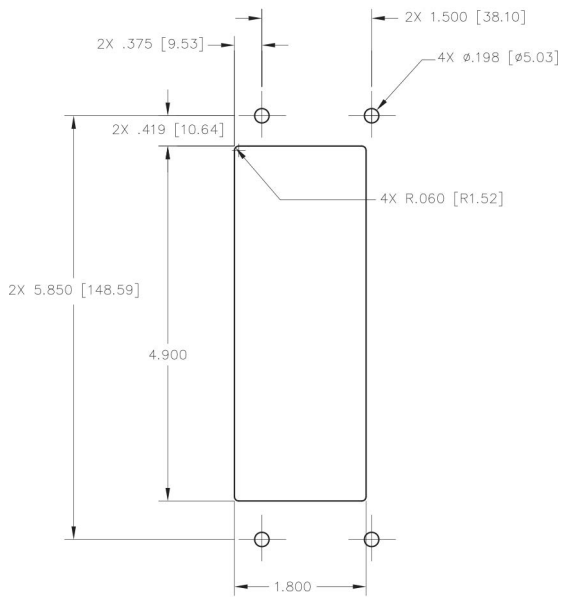
Six Positions	5 positions and 1 gated position
Stow	Locked position, depress button to go out of stow
Operating Force	2.5 to 5 lbs. (11 to 22N)
Mechanical Travel	48 degrees
Angled Handle	White semi-gloss, color 27875 per FED-STD-595
Light Panel	Light panel per Mii-P-7788, class 2-BW, SAE 7788, Type VII (LED), 5VDC
Electrical Receptacles	MIL-DTL-D38999 Connectors, Series III
Weight	3.25 lbs. (1.5 kg.) Max.



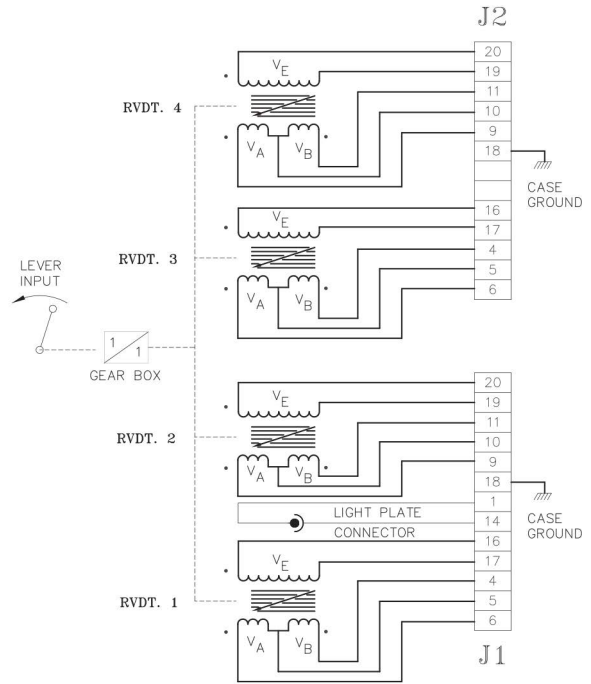
DIMENSIONS

Dimensions in mm [Inch]

Cut Out Dimensions



Schematics



Revised 2/16/18

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