

Aircraft Extras Inc.

RELAY BOARDS for ELEVATOR and FLAP control

Dual Relay Board



Stacking Example



Airspeed Relay - used for:
Flap Deployment Protection and
Automatic Speed Adjust for Elev. Trim Motors



RELAY BOARD USE:

Control your Flap & Elevator Trim motors

This board allows you to use any inexpensive switch [Single Pole, Double Throw, (ON)-OFF-(ON), Spring Loaded, 3 Position] to control your flap and elevator trim motors. You can series as many switches as you desire control your flap & elevator trim motors. Free connection diagrams for relay boards and airspeed switch for several typical systems. (Models: 1RY1, 2RY1, 3RY1)

AIRSPPEED RELAY USE:

Flap Deployment Protection at High Airspeeds

When our relay board is used with our airspeed switch, you can protect you flaps from being actuated in the downward direction when your airspeed is too high (above the white arc). We provide the end user with easy connection diagrams for several different systems. (Model: ASRY1)

Automatic Speed Adjust for Elevator Trim Motors

Many have complained about the fast adjustment speed of elevator trim motors at high airspeeds. When our relay board is used with our airspeed switch, it eliminates this problem. You will have two speeds, fast for slower airspeeds, and slower for high airspeeds. The slower speed is adjusted by supplying this relay board a lower motor drive voltage. (Model: ASRY1)

RELAY BOARD SPECIFICATIONS:

- Each board includes two independent, Single Pole, Double Throw Relays
- Relay contacts are protected against inductive sparking generated from switching inductive loads such as motors.
- For use on 12Vdc systems
- Switch currents up to 10 Amps
- Boards are stackable to 3 levels high for saving panel space
- Mounting hardware included

AIRSPPEED SWITCH SPECIFICATIONS:

Switch closure is screw driver adjustable to specific airspeed. (70 MPH to 160 MPH, IAS)

MODELS AVAILABLE:

1RY1-One relay board	3RY1-Three stacked relay boards
2RY1-Two stacked relay boards	ASRY1-One relay board + Airspeed Switch

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