



Solid State Remote Switches

Ahlers Aerospace solid state remote switches are rated for loads up to 30 Amps and eliminate the need for heat sinking. These modules can be located remotely within an aircraft or other vehicle, thus eliminating long runs of heavy gauge wire to reduce weight and simplify wiring. Our solid state remote switches are designed to control both inductive and resistive loads.



Features:

- ✓ Single active low signal input for ON & OFF function
- ✓ Single active low signal input for enable function
- ✓ Heavy duty, 30 Amp rating to interface with both inductive and resistive loads
- ✓ Output short protection
- ✓ Under voltage protection
- ✓ No heat sinking requirement
- ✓ Dimming, timing & circuit breaker variants available
- ✓ Basic design can be customized to customer's requirements (including voltage)

Specifications:

- Weight: 0.4 lbs. max
- Dimensions: 2.25" high x .97" wide x 2.45" long
- Operating voltage: 15 to 32 VDC
- Operating temperature: -40°C to +70°C
- Storage temperature: -55°C to 85°C
- Current capacity: 30 Amps @ 28 VDC
- Qualified to the following conditions of RTCA DO-160, (Dated July 29, 1997)
 - A. Temperature and Altitude, Sec. 4, Cat. A2
 - B. Humidity, Sec. 6, Cat A
 - C. Power Input, sec. 16, Cat B
 - D. Voltage Spike, Sec. 17, Cat A
 - E. Audio Frequency Conducted Susceptibility, Sec. 18, Cat B
 - F. Induced Signal Susceptibility, Sec. 19, Cat A
 - G. Radio Frequency Susceptibility, Sec. 20, Cat V
 - H. Emission of Radio Frequency Energy, Sec. 21, Cat M
 - I. Lightning Induced Transient Susceptibility, Sec. 22, Cat A2XX
- Terminals come with locking screws per MIL-DTL-18240
- Module will turn off when bus voltage is less than 13 VDC
- Printed circuit boards coated per MIL-I-46058C or equivalent
- Case finish: Chemical conversion coating per MIL-C-5541, Class 3

You have problems... We have solutions.

Visit our website: www.ahlersaerospace.com for more information on our products and services.

AHLERS AEROSPACE, INC. 3621 Raider Drive, Hurst, TX 76053

Tel: (817) 553-2155 Fax: (817) 553-2161 info@ahlersaerospace.com