

RECORDER INDEPENDENT POWER SUPPLY (RIPS)

Type III RIPS



Power You Can Depend On

The Radiant Power Type III Recorder Independent Power Supply (RIPS) provides 10 minutes of independent backup power for Crash Survivable Cockpit Voice Recorders (CVR) and the Cockpit Area Microphone (CAM) in the event of the loss of aircraft power. The RIPS is designed to engage automatically to ensure continued audio recording to support accident investigation. The Type III RIPS meets or exceeds all of the requirements of TSO-C155.

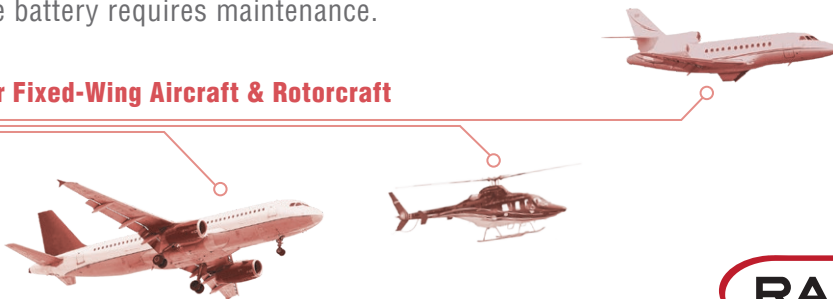
At just three pounds, the Type III RIPS is packaged in a rugged aluminum housing. It includes a replaceable NiCd battery pack that is recharged via aircraft power under normal operations at 28 VDC.

The Type III RIPS includes enhanced built-in test equipment (BITE) that provides discrete output indication of the unit's readiness to perform the RIPS function. In addition, a maintenance warning is activated within five seconds of initial power that indicates any internal RIPS fault or that the battery requires maintenance.

KEY FEATURES

- > Meets TSO-C155
- > Provides 10 minutes of backup power
- > Lightweight with small footprint
- > Rugged aluminum housing
- > Replaceable NiCd battery
- > MIL-C-38999 Connectors
- > Meets environmental requirements of DO-160

For Fixed-Wing Aircraft & Rotorcraft



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The basic function of the RIPS is to provide 10 minutes of output power to the CVR system upon the loss of aircraft power. The RIPS is capable of providing 10 minutes of output power after only 15 minutes of charge time.

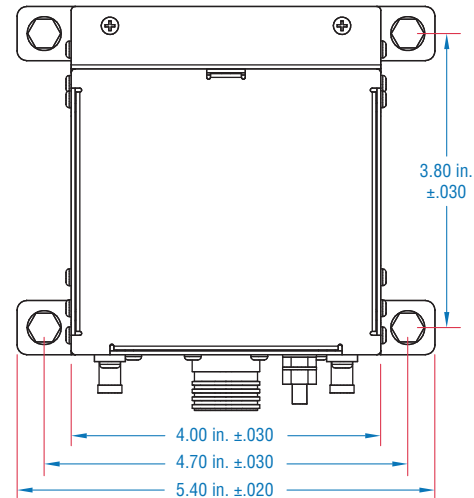
SPECIFICATIONS

Output Power	20 W
Input Voltage	28 VDC
Power During Charging	25 W
Power During Heating	45 W
Power During Idle	1 W
Typical Battery Life	5 years
Connectors	D38999/20MC35PN
Weight	3.0 lbs
Battery Type	NiCd
Operating Temperature	-55°C to +70°C
Storage Temperature	-55°C to +85°C
Housing	Aluminum
Environmental Requirements	D0-160E
ARINC RIPS Characteristic	777-1
Recorders Supported	All CVRs with <20 W Power Consumption
FAA Authorized	TSO-C155

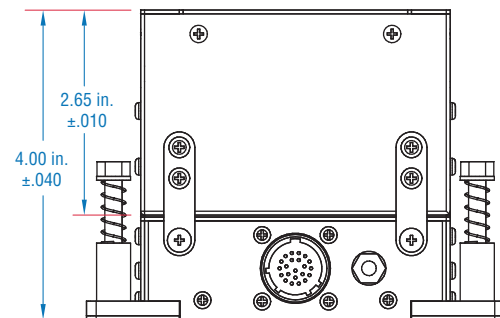
For more details, contact Radiant Power at
1.941.739.3200

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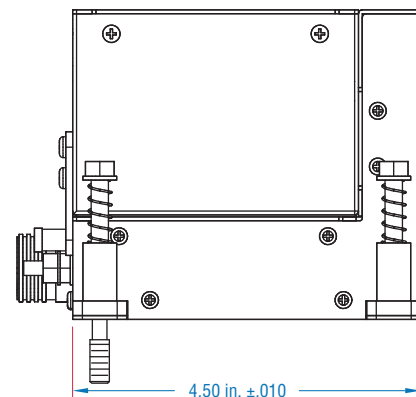
Top View



Front View



Side View



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SSRIPSIII-A 211102

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