

RECORDER INDEPENDENT POWER SUPPLY (RIPS)

Type II RIPS



KEY FEATURES

- > Meets TSO-C155
- > Provides CVR with 10 minutes of backup power
- > CVR slides into ARINC 757 tray
- > Rugged aluminum housing
- > Replaceable NiCd battery
- > Weighs under 6 pounds
- > Meets environmental requirements of DO-160 and software requirements of DO-178

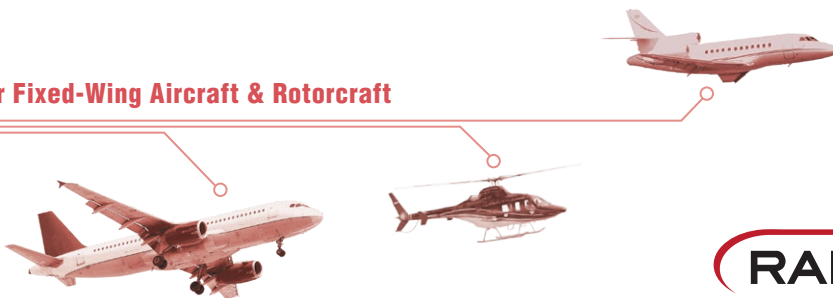
Power You Can Depend On

The Radiant Power Type II 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 II RIPS meets or exceeds all of the requirements of TSO-C155.

Under six pounds, the Type II RIPS tray is constructed from rugged aluminum. It includes a replaceable NiCd battery pack that is recharged via aircraft power under normal operations at 115 VAC (360–80 Hz) and/or 28 VDC.

The Type II 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.

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	115 VAC (360–800 Hz and/or 28 VDC)
Power During Charging	25 W
Power During Heating	45 W
Power During Idle	1 W
Typical Battery Life	5 years
J Connectors	J1: ARBA-025-40101342 J2: ARBA-026-30101331
Weight	5.90 lbs max
Battery Type	NiCd
Operating Temperature	-55°C to +70°C
Storage Temperature	-55°C to +85°C
Housing	Aluminum
Environmental Requirements	DO-160E
ARINC RIPS Characteristic	777 - Type II
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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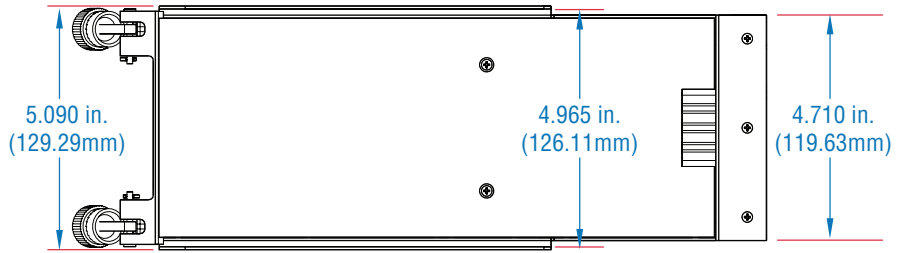
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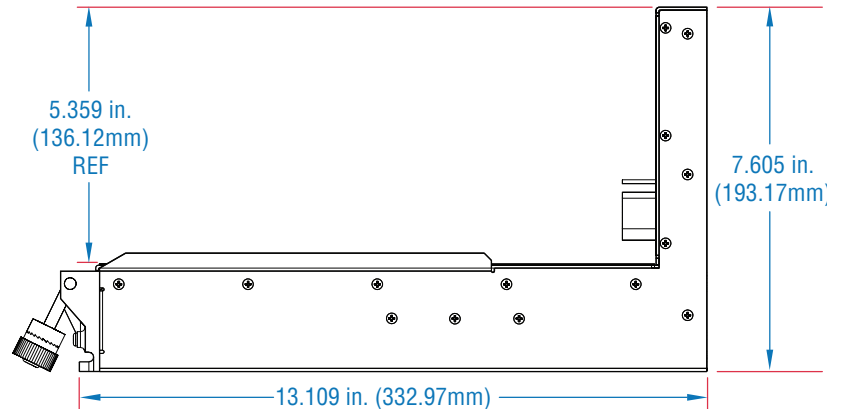
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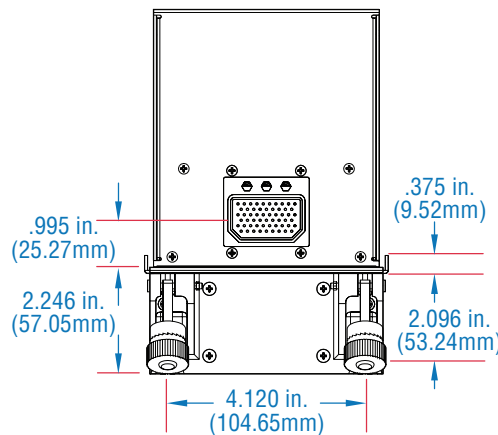
Top View



Side View



Front View



Rear View

