

RCU Radio Control Unit

Centralized Radio Tuning for Flightdeck Upgrades

Planning your flightdeck modernization can now extend to radio tuning. Our Radio Control Unit (RCU) provides a centralized, easy-to-use control interface for all of your aircraft radios: VHF COM, VOR/ILS NAV, DME, ADF, ATC Transponder and TCAS systems.

The RCU features a high-resolution, color AMLCD display and bezel-mounted controls which provide quick and simple tuning of manual, pre-stored, standby, previous, next, and even our FMS-suggested frequencies. Twelve pilot-selectable preset frequencies can be accommodated for NAV, COM and ADF radios. Up to six suggested frequencies/identifiers, based upon aircraft position and phase of flight, are provided by our compatible FMS systems. You can conveniently tune to the offside COM, NAV and ADF radios as needed. We have also included a unique guarded-keyed emergency function which automatically sets the preset frequencies for the COM radio and transponder to 121.500 MHz and Code 7700 respectively.



The RCU supports ARINC 429 and CSDB interface standards. Consolidating multiple radio control heads into a single, advanced controller will provide savings in space and weight, while increasing efficiency and adding sophisticated radio tuning capabilities to your flightdeck.

Specifications:

Size: Bezel: 3.74 in. H x 5.74 in. W
Depth: 7.06 in. (back of bezel to rear of connector)

Weight: 5.1 lbs.

Mounting: Dzus

Faceplate Color: Gray or Black

Bezel Controls:

Frequency Tuning Selector Knob

8 Line select keys

Active

Previous

Next

Top

PreSet

Cross Tune

DME Hold

Detail

Ident

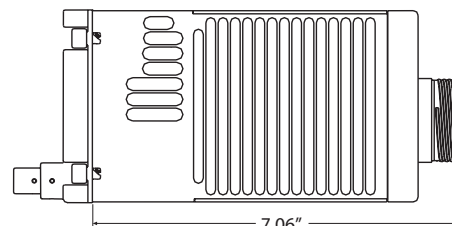
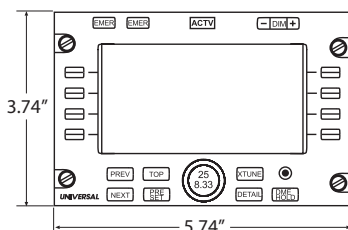
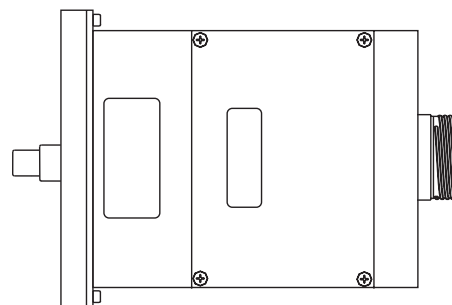
Bright/Dim

Emergency (Guarded keys automatically load presets for COMM to 121.500 and Transponder to Code 7700.)

Display: Active Matrix Color LCD

Resolution: 264 x 504 Pixels, 124.5 cgpi (color groups per inch)

Viewing Angle: +60/-60 deg. Horizontal, +35/-10 deg. Vertical



Radio Interfaces:

Comm (VHF)

NAV (VOR, ILS)

DME

ADF

Transponder

TCAS

I/O Formats:

ARINC 429

CSDB

Cooling: Integral fans;
cold wall construction

Power: Primary input: 28 VDC standard
Lighting: 5V or 28V
Consumption: 36 Watts

FAA TSO/ETSO: C113

Airborne Multipurpose Displays

RTCA Documents:

Hardware: DO-160D

Software: DO-178B, Level C

Features and capabilities are representative of systems at time of printing. Specifications and graphic displays contained herein are subject to change without notice. System features may be limited based on interfacing equipment and type of installation. Please contact your Universal Avionics marketing representative for the latest system enhancements.

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