BAE SYSTEMS

C-12907/APX

Updated remote control unit

The C-12907/APX Updated remote control unit (uRCU) is BAE Systems' next generation transponder control panel.

The uRCU is a modernized control panel for BAE Systems' transponder product family. It gives platforms a low cost alternative to expensive mission computer upgrades by providing standalone transponder control.

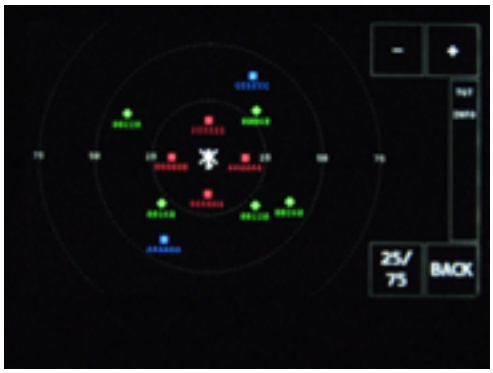
Featuring a color touch screen display with a menu driven software interface, the uRCU is designed to be form and fit replacement for BAE Systems legacy RCU product. The uRCU meets all AIMS requirements for civil and military mode s of operation including Mode5 and ADS-B Out. The uRCU includes software growth to meet tomorrows next generation transponder capabilities such as ADS-B In and Mode 5 Level 2 Broadcast.

Features and benefits

- Color touch screen display with discrete controls required by AIMS for military transponders
- Drop in replacement for BAE Systems legacy RCU
- Control and status for Modes 1, 2, 3/A, C, S, and Mode 5 (Level 1 and 2), and ADS-B Out
- Supports RS-485 and ethernet interfaces
- Software growth for TCAS
- Operational flight program upgradeable in the field
- Qualified for fixed wing, rotary wing and shipboard applications

Specifications

Weight	3.25 pounds
Dimensions	5.250" height x 5.750" width x <5.000"depth
Power	28 VDC, IAW MIL-STD-704A-F
Reliability	>5,000-hour predicted MTBF in airborne uninhabiited platform
Maintainability	Front-panel BIT activation and LRU/WRA status indicator for rapid verification of operational readiness
Temperature operating	-40 degrees celcius to +71 degrees celcius MIL-STD-810G
EMI	MIL-STD-461F
Shock, Vibration	MIL-STD-810G
Certifications	DoD AIMS 03-1000
	FAA TSO-C112 and TSO-C166



The uRCU includes a graphics processor to provide pilots in the cockpit improved situational awareness. Software growth is available to display ADS-B and Mode 5 Level 2 targets for transponders with receive capability.

For more information contact:
BAE Systems

Dhanraj Gobin
450 Pulaski Road, M/S GNY010171
Greenlawn, NY 11740
T: 631 262 8195
E: dhanraj.gobin@baesystems.us
W: baesystems.com/IFF

Cleared for open publication on **04/21**
Not export controlled per ES-C4ISR-050520-0096