



RADAR ALTIMETER DISPLAYS

CRITICAL INFORMATION VISUALIZED.
VITAL FLIGHT DETAILS AVAILABLE VIA
EASY-TO-READ LED READOUT.

Building on systems engineering and integration know-how, FreeFlight Systems effectively implements comprehensive, high-integrity avionics solutions. We are focused on the practical application of NextGen technology to real-world operational needs — OEM, retrofit, platform or infrastructure.

FreeFlight Systems is a community of respected innovators in technologies of positioning, state-sensing, air traffic management datalinks — including rule-compliant ADS-B systems, data and flight management. An international brand, FreeFlight Systems is a trusted partner as well as a direct-source provider through an established network of relationships.

3 GENERATIONS OF EXPERIENCE BEHIND NEXTGEN AVIONICS

NEXTGEN LEADER. INDUSTRY EXPERT. TRUSTED PARTNER.
SHAPE THE SKIES.



RADAR ALTIMETER DISPLAYS

FreeFlight Systems' line of panel-mount displays provide critical AGL and trend information to the pilot which is especially important when there are no visual clues to the landscape surrounding the airport or the flight path.

RADAR ALTIMETER DISPLAYS

Model	RAD-40	RAD-45
TSO-C87	•	•
ETSO-C87	•	•
DO-160F	•	
DO-160G		•
RS-485/422	•	•
ARINC 429	•	•
AGL Readout	•	•
Trend Indicator Readout		•

SPECIFICATIONS

Decision Height Selection	10 ft. increments up to 200 ft. 50 ft. increments from 200 ft. to 950 ft.
Self-test	Lights all "8s" for LEDs and activates the DH LED
DH Alert	Internal DH LED and external discrete output
Service Ceiling	50,000 ft.

PHYSICAL CHARACTERISTICS

Model	RAD-40	RAD-45
Size	3.5" W 4.6" D 1.4" H	3.5" W 2.3" D 1.4" H
Weight	0.6 lbs	
Power Requirements	-20°C to +55°C	
Operating Temperature	9-36 VDC, 0.5 A at 28 VDC	

The RAD-40 and RAD-45 Radar Altimeter Displays are compatible with the FreeFlight Systems RA-4000, RA-4500 and FRA-5500 Radar Altimeters. Critical information is displayed on a bright LED read-out as reported from the Radar Altimeter unit through a standard serial interface. The pilot is able to set a decision height (DH), and when the preset altitude is reached, a DH LED is illuminated and a DH discrete output is set. The pilot is also able to activate five trip-point discrete outputs (100-1000 ft.) to signal additional alerts to the navigation management system if the aircraft descends through these altitudes.

In addition to the standard version, both the RAD-40 and RAD-45 are also available as a night vision goggle (NVG) compatible display.

For additional product information and specifications, please contact our Sales Team at +1.254.622.0000.

RAD-40 DISPLAY



RAD-45 DISPLAY

