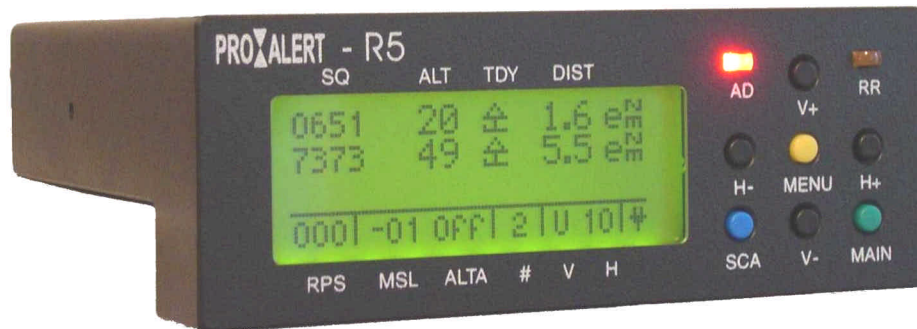


Only affordable combo system displaying simultaneously

The three closest threat aircraft altitude, vertical trend, distance and squawk



Three safety functions in a tiny package :

- A collision avoidance system
- A cruise altitude alerter
- An on-board A/C transponder tester

The R5 collision avoidance system detects transponder replies of aircraft flying in your vicinity and displays simultaneously both squawk, altitude and estimated distance of up to three threats. As soon as evaluated, a vertical trend symbol (TDY) will tell you if the threat aircraft is climbing, descending or leveling.

The R5 will increase your ability to visually locate the threat aircraft and better apply the 'See and Avoid' concept.

Your shielded volume is programmable in vertical and horizontal range to match your actual flight condition.

The R5 slant detection range when airborne goes from some feet to 5 Nm. The internal high performance, low power radar reply processor eliminates threat aircraft found outside the vertical detection range. The vertical detection range is programmable from ± 1000 ft to ± 5000 ft. An Unlimited vertical mode (to use on ground only) allows detection of aircraft cruising at up to FL440.

A visual and audible alert will trigger should a threat aircraft enters your shielded volume.

An intuitive graphical menu :

Operational parameters like display and audio mode, cruise altitude alerter range, LCD contrast and backlight are set with the upper line of icons.

Threat aircraft can be ranked by altitude proximity (in FL) or by evaluated distance (in Nm).

Altitude can be displayed in absolute MSL as received or in signed relative difference to your own altitude based on the internal built-in altimeter.

The three audio mode zones could be selectively activated : Proximity, Altitude alerter or system alarms (like low power supply or over temperature, etc).

Your configuration is saved in non-volatile memory upon exit of the menu and will be recovered at next power up. No need to reconfigure the unit prior each flight.



The unit firmware is user upgradeable using an off-the-shelf PC / modem serial cable. (Not included) Freely download the latest revision from our website to keep your unit up to date at no cost.

Each unit is carefully factory calibrated based on the provided antenna characteristics. If you decide to go for a fixed installation and use an external antenna you will even be able to compensate for its loss / gain with our free calibration utility software.

ProXalert™ R5 Aircraft Proximity Alerter

The battery are located externally to minimize the unit's weight thus avoiding unwanted 'take off' during turbulent flights.



The L shape elegant package mounts on top of your aircraft instrument panel and is firmly maintained by two flexible arms (not shown) located behind the unit front panel.

The visibility above the unit and through your windshield is therefore maximized.

As a result of its narrow depth and height, the clearance above the back edge to the aircraft windshield is usually enough to plug the antenna directly to the unit without any extension coaxial cable.

The R5 features an internal speaker for usage in quiet cabin (glider) and an audio output to connect to your headset through a provided Y cable.



The serial COM port connects to a personal computer (not included) to field upgrade the unit firmware. The three closest threats traffic data are also sent every four seconds through this interface.

The included antenna connects directly to the unit antenna BNC female connector.

Power jack connector connects to the cigar lighter plug of your aircraft. (Cable included)

SPECIFICATIONS :

Environmental

Operating altitude : -3000 ft to 24,800 ft
 Temperature : -15°C to +60°C (+5°F to +140°F)
 EMC compatibility : FCC and CE

Mechanical

Dimension : W=5" (127mm) H=1.85" (47mm) D=4.65" (118mm)
 Weight : Unit =11oz. (310g) Antenna : 1 oz. (28 g)
 Package material : ABS UL94-VO (flame retardant)

Electrical

Power voltage : 6 volts to 16 volts DC negative ground
 (up to 35 v with optional adapter)
 Consumption : 1 watt typical with backlight OFF
 1.5 watt typical with backlight ON

Receiver

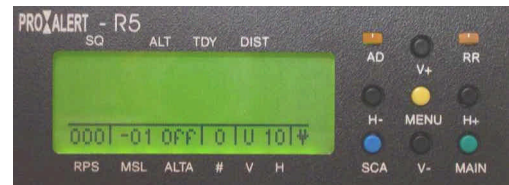
Type : Simple superheterodyne
 Selectivity : ± 6 Mhz typical at -3dB from 1090 Mhz
 Out of band rejection : 30 dB at 20 Mhz from nominal frequency
 Signal mode : Detect mode A/C/S and mode A only
 Range resolution : 0 - 2.0 Nm : 0.1 Nm
 2.0 - 5.0 Nm : 0.5 Nm
 5 - 10 Nm : 1 Nm

Dynamic range : > 55 db
 Minimum trigger level (MTL) : - 70 dBm
 Altimeter accuracy : ± 150 ft typical after calibration

Audio

Internal speaker for quiet cabin
 Output Impedance : 90 ohms
 Mode : Mono or stereo thru proprietary Y cable

(Specification could be subject to change)



Display

SQ : Threat code
ALT : Threat altitude
TDY : Threat Vertical trend
DIST : Threat estimated distance
RPS : Radar reply per second
MSL : Your MSL altitude
ALTA : Altitude alerter status
: Number of aircraft in range
V : Vertical range setting
H : Horizontal range setting

Keyboard

V+ : Increase Vertical range
V- : Decrease Vertical range
H+ : Increase Horizontal range
H- : Decrease Horizontal range
MENU : Enter/Leave MENU
SCA : Set Cruise Altitude
MAIN : Power On/Off
 The black keys are also used to navigate in the MENU.

LED

RR (Yellow) : Blink when a radar reply is received
AD (Red) : At least one threat aircraft is detected in range

Your Dealer :

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 PUNTA GORDA, FLORIDA 33982

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