

System 500

Aircraft Electronic Security System

Securaplane

Securaplane's Premier Security System

Featuring remote control and interrogation using a subminiature UHF transceiver, in conjunction with the optional DAI-08 Keyless Entry Arm/Disarm Technology.



UHF Transceiver

Keyless External Operation



Selected by the majority of our customers. Over 300 of these systems are in operation world wide on B747-400's through turboprops.

## Securaplane System 500

- **Reliability**  
Achieved through sensor innovation, system simplification, redundancy, years of avionics design experience and severe environmental testing.
- **Remote Control and Interrogation Link**  
Remote RF command and interrogation with clear digitized voice response from the aircraft. Range up to 10 miles (16 km.) depending upon terrain and line of sight. Features "secure" anti-tampering technology.
- **Field Proven**  
Over 300 installations since 1989, B-747-400's through turboprops. References available.
- **Unsurpassed Wheelwell Protection**  
Custom designed, environmentally tested (DO-160C) passive infrared wheelwell sensor with temperature compensation. This sensor revolutionized the science of reliable aircraft intrusion detection.
- **Door Panel Sensors**  
Featuring the unique, ruggedized, all aluminum magnetic reed switch (MAG-01). Securaplane's flexible systems can use a variety of sensor types including metal proximity switches, microswitches, and our preferred MAG-01.
- **External Remote and Keyless Arm/Disarm**  
**Remote Transceiver:** Only 3 commands required via the handheld UHF Transceiver to Arm, Disarm or Interrogate.  
**At Aircraft:** The Digital Alarm Indicator (DAI-08) is a subminiature CDU which mounts inside an external door and takes only minutes to learn. Each operation is clearly indicated in plain english on the bright, 10 character scrolling LED. This unit allows for keyless arming and disarming. The DAI-08 is designed to be installed in the same space as a keyswitch and arm LED and can replace both.
- **Master CDU**  
Enhanced internal Control Display Unit (CDU-550) features easy to use functions, displaying information on a 4-line, LCD in plain english. Permanently stores over 1600 events including arm/disarm times as well as intrusion time/duration information. Soft menu keys allow for easy and intuitive use.
- **Installation Ease**  
Acclaimed by installers to be the easiest and least time consuming system to install and troubleshoot.
- **Battery Endurance**  
The standard System 500 using the BP-550 Power Communications Unit will run 5-7 days. An optional BP-650 will provide 7-10 days. A BP-1224 ADD-ON battery pack will double the BP-650 run time.
- **Most Commonly Selected Options:**
  - VRU-01: 104dBm audible (operator programmable) voice alarm.
  - SP-02: Solar panel extends battery life.
  - CPM-T: PIR (wheelwell sensor) alignment tool.
  - IND-07: External indicator of an alarm on the aircraft even if system is not powered.

## Power Communications Unit (PCU)

Input Power Requirements:  
Aircraft 28v DC

Size: 1/2 ATR Short  
Weight: 17.38 lbs.

Operating Time:  
5 - 7 Days

Recharge Time:  
(From flat battery)

To 90% capacity 2.5 hrs. Charge status can be viewed from CDU.

Optional Battery Packs available to increase operating time. See options list.

## Solar Panel

Size: .25"(D)  
10.5"(H)  
17.5" (W)  
Weight: 2.8 lbs.

Power: Output 10 watts max.  
Mounting:

Sits on glareshield.  
Power Plug disconnect.  
Stows during flight.

## UHF Transceiver (RAD-03)

Size: 4.05" (H) (less antenna)  
1.57" (D)  
2.375" (W)  
Weight: 0.938 lbs.

Power: 2W

Operating Temperature

-20° C to +50° C

Supplied with dual charger and high capacity batteries.

## Environmental

CDU

Temp: -30° to +55° (DO-160B)

PCU

Temp: -55° to 71° (DO-160C)

Altitude: 55,000 ft. (DO-160C)

EMI/RFI Cat. B (DO-160C)

Humidity: Cat. A (DO-160C)

Vibration: Cat. N (DO-160C)

## Control Display Unit (CDU)

Size: 1.87"(H)  
5.837"(W)  
2.981" (D)  
Weight: 0.71 lbs.

Alarm Storage Over1600 Alarms  
Zones 64 Zone Capability  
Display LCD Alpha-Numeric  
Lighting LED

## Digital Alarm Indicator (DAI-08)

Size: 1.75"(W face)  
1.25"(H)  
2.25" (D)  
Weight: 0.2 lbs.

Display: Scrolling10 digit red LED  
Displays number of alarms and zones violated or disabled.

## Passive Infrared (PIR) Wheelwell Sensors

Size: 2.500"(L)  
1.850"(H)  
3.640" (W)  
Weight: 0.41 lbs.

Power: 12v DC 3.5 mA

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For optional Camera System components, see the Optional Equipment Page

