



## ADT-5000™ Autonomous Distress Tracking System for Global Aeronautical Distress & Safety System (GADSS) Compliance

### Autonomously Capture Aircraft Parameters Including Position, Altitude, and Other Critical System Data to Determine Distress During Flight.

SKYTRAC's ADT-5000 captures aircraft parameters such as position, altitude, and other critical system data and runs it through Distress Detection Logic. The ADT-5000's high reliability, dual redundancy system ensures that both data acquisition devices within the unit detect a Distress Condition before generating a triggering command in the event of a distress scenario.

The ADT-5000 solution is capable of interfacing with a variety of Emergency Locator Transmitters (ELTs), including ACR Electronics' ARTEX ELT 5000(DT), to initiate a Distress Tracking transmission relaying high-resolution 4D positions of the aircraft in real-time.

Triggered by a potential distress condition from independent aircraft monitoring, the 406 MHz ARTEX ELT 5000 (DT) intelligently activates and will automatically begin transmitting 406 MHz distress messages with the current location in real-time while the aircraft is in-flight. The distress tracking, which meets FAA TSO-C126C and EASA ETSO-C126C for aircraft Emergency Locator Transmitters, provides the aircraft's precise location to assist relevant monitoring bodies to respond to the alert quickly and effectively using the COSPAS-SARSAT satellite network. Pilots can also trigger the ELT manually from inside the cockpit if necessary.

#### Key Figures

<b>SATCOM Expertise</b>	35+ Years
<b>SKYTRAC Customers</b>	800+ Customers
<b>Systems Certified</b>	900+ Airframes
<b>Global Presence</b>	7 Continents / 100+ Countries

SKYTRAC is part of the ACR Group of companies.



#### Discover SKYTRAC

Over its 35 year history, SKYTRAC has become the partner of choice for data-guided business insights. As an Iridium Aviation Partner, SKYTRAC is well-positioned to leverage Iridium Certus broadband to provide operators with leading capabilities.



# ADT-5000™ DATA SHEET

## GADSS COMPLIANCE



Compact, rugged enclosure with a hermetically sealed housing for DO-160G reliability requirements.

Conversion coated aluminum enclosure containing a multi-modular unit with two embedded ADT-200s.

2 MIL-DTL-38999 37-pin circular connectors for electrical interfacing and multiple interfaces supporting ARINC 717, ARINC 429, RS 422, and discreet inputs.

Meets ICAO Annex 6 (Part 1) Section 6.18 and Eurocae ED-237 MASP specifications.

## PRODUCT SPECIFICATIONS

### POWER CONSUMPTION

**Operating Voltage:** 28V DC  
**Nominal Current:** 0.42 @ 24V  
**Nominal Power:** 6W  
**Maximum Power:** 12W  
**Stand by Power:** 1W

### DIMENSIONS

H x W x D = 2.89" x 9.45" x 6.07"  
(7.4 x 24.0 x 15.4 cm)

### WEIGHT

2.77 lbs (1257g)

### ENVIRONMENTAL

DO-160G

### INTERFACES

- 2 MIL-DTL-38999 37-pin Circular
- ARINC 717
- ARINC 429
- RS 422
- Discreets

## PRODUCT HIGHLIGHTS

- Complies with ICAO for the upcoming 2025 global GADSS recommendations
- Quickly alerts relevant monitoring bodies through COSPAS-SARSAT network
- Redundant hardware design, ensuring minimal false reports and system failures
- Configures with multiple leading ELT systems, including the ARTEX ELT 5000(DT)
- Capture critical aircraft parameters and wirelessly transfer flight data to FOQA/FDM programs

Specifications subject to change. Contact [sales@skytrac.ca](mailto:sales@skytrac.ca) for latest revision.