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With more than 200+ years combined experience diagnosing and solving complex vibration, rotor track and balance, and engine performance issues, Diagnostic Solutions International LLC offers an extensive knowledge base and expertise, yielding reduced down time, repair costs, and reactive maintenance. We specialize in providing on-site technical support, training, and health and usage monitoring system data management and analysis.

Diagnostic Solutions International LLC is the Premiere Worldwide CBM HUMS Distributor.

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SKY CONNECT TRACKER III



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Iridium® Satellite Talk / Text / Tracking System Delivers Powerful Mission Management Capabilities To Enhance Helicopter Operation

SKY CONNECT TRACKER III

SKY CONNECT TRACKER III, THE HEART OF THE HELICOPTER OPERATOR'S MISSION MANAGEMENT SYSTEM, IS THE NEWEST MEMBER OF THE SKY CONNECT TRACKER FAMILY.



Next-generation mission management... This feature-rich, next-generation successor boasts exciting new capabilities and a built-in path for future upgrades. Easily installed on any helicopter platform, Tracker III is ideal for current Sky Connect Tracker customers, those using other systems, or anyone seeking a superior mission management system. Tracker III is the new technology core of the proven and trusted Sky Connect family, ensuring excellence in reliability, service and support.

SMALL AND POWERFUL

Compact systems have always been a key benefit of Sky Connect Tracker products. New technology has made it possible to increase Tracker III's communications capabilities while also integrating the previously separate ARINC 429 converter unit. In fact, the new line replaceable unit (LRU) will fit existing installation trays, simplifying upgrades to Tracker III for existing Sky Connect customers.

Tracker III is an enhancement of its robust predecessor, providing significantly more capability within virtually the same form factor:

- Simultaneous tracking and voice capabilities allow vital tracking and urgent text messages to occur even during lengthy voice calls.
- A new capability called Last Position Vector (LPV) PowerBank enables the helicopter to send final position reports after the pilot powers down the aircraft or if any incident interrupts aircraft power.

- Installation is quick and easy with little disruption to operations. The new LRU fits the existing tray and wiring with minimal or no changes.
- A new OLED multipurpose display replaces LED status lights and enables simplified installation, configuration, status monitoring and troubleshooting.

KEY FEATURES

- **Tracking** – worldwide near realtime tracking of aircraft status, 3D location, flight route, ETA
- **Text** – worldwide two-way text messaging
- **Voice** – worldwide always available voice telephone service
- **Dual Voice** – two separate voice telephone channels – one for the flight crew, one for the cabin
- **Dual Mode** – simultaneous tracking and voice services, with uninterrupted continual provision of both services



SPECIFICATIONS:

MMU-III™	
Display	dimnable 2-line, 32-character alphanumeric
Keypad	backlit elastomeric keys
Controller	push/turn multifunction mode controller
Memory	high capacity directory with name and number
Option	integrated text messaging
Mount	DZUS-rail
Physical	5.7 x 1.9 x 5.0 in. / 0.8 lb. min. panel depth 6.5 in.

Tactical Dialer	
Display	dimnable LEDs and backlighting
Toggles	pull-to-throw
Physical	5.75 x 1.4 x 1.75 / 0.3 lb.

Aviation Transceiver	
Compliance	DO-160D; STC (various)
Power	12-32 VDC
Physical	10.25 x 4.8 x 2.9 in. / 4.32 lb. Tray: 10.75 x 2.9 x 0.75 in.

Dual Iridium® Antenna	
Compliance	TSO C-144, DO-160D
Physical	5.0 x 2.2 x 0.75 in. / 0.6 lb.

SYSTEM FUNCTIONALITY

In addition to the basic Iridium® functions (voice/tracking/messaging), Tracker III incorporates the following capabilities:

- Shared antenna signaling for GPS and Iridium
- Integrated dual ARINC429 interfaces
- Web browser-based installation configuration
- POTS and 4-wire audio versions
- Over-the-air configuration
- Internal recording of high-res path data for post-flight review
- Transmission of high-res position data (TrueMiles™)
- Ability to send last position/power-down report after power loss (LPV PowerBank)
- Operation in extreme environments down to -55°C