Land Solutions

Sea Solutions

Air Solutions

IridiTRAK

GPS/Satellite Alert/Tracking

RST430

SBD
Short Burst Data

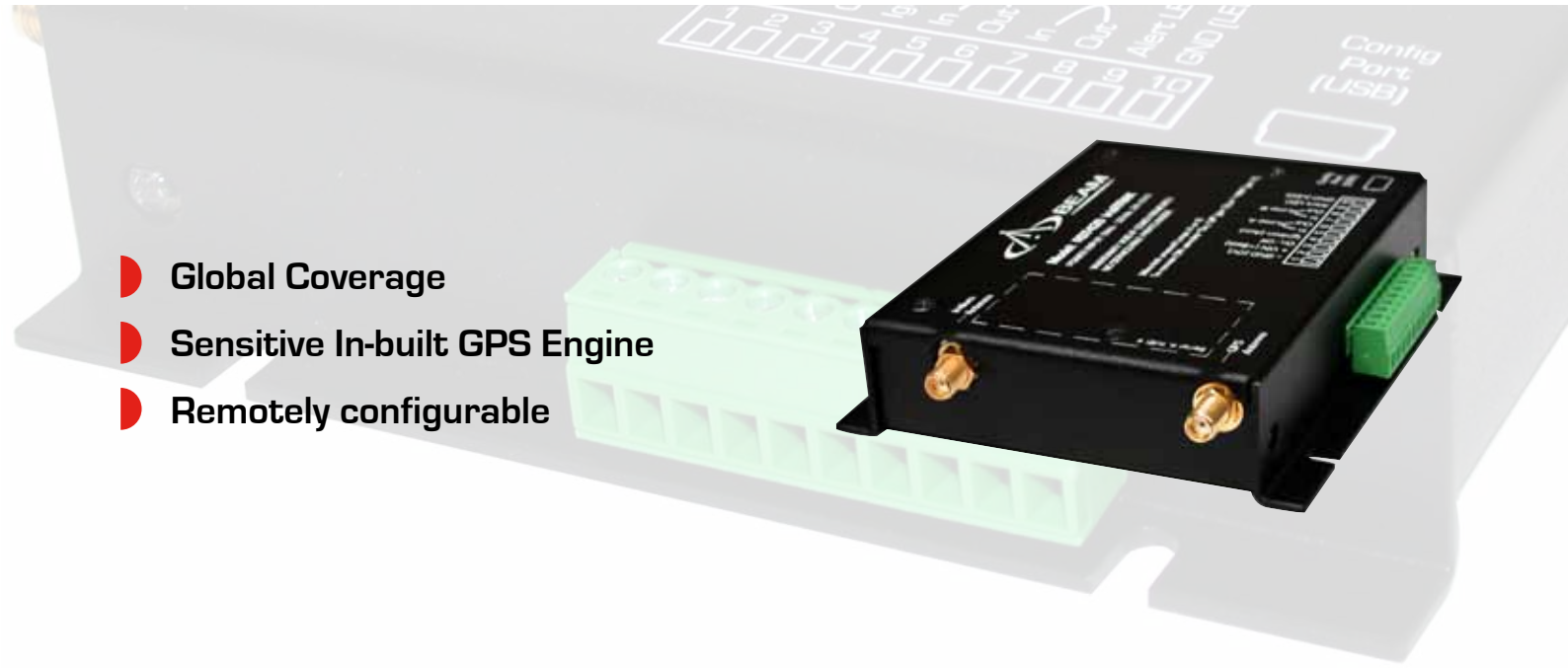
Tracking

GPS

BEAM

IridiTRAK

RST430



- **Global Coverage**
- **Sensitive In-built GPS Engine**
- **Remotely configurable**

IridiTRAK is an advanced global alert and monitoring device that enables assets, vehicles or vessels to be tracked anywhere on the globe via GPS and the Iridium satellite network.

The in-built SuperSense GPS and in-built Iridium SBD (Short Burst Data) transceiver module enables pinpoint location accuracy and simple messages to be sent for periodic position reporting as well as alert reporting anywhere anytime.

There is a range of events that can be configured on the IridiTRAK device as well as power saving and sleep modes for maximizing operational life in battery operated modes.

Tracking and alert messages sent via the Iridium system can be delivered to an email address or via direct IP connection, which is generally the most reliable source.

IridiTRAK supports 9 – 32V DC power input, multiple IO for various alert buttons or a man down device and has power saving modes for specific installation whereby only an alert will wake up the transceiver module.

The terminal is remotely configurable to change the periodic reporting time or to reset alarms as required. These functions are all pass code protected. IridiTRAK also integrates seamlessly with Beam's LeoTRAK-Online global tracking system.

Fleet Management

Heavy Trucks

Trailer and Motor Homes

Planes

BEAM

KEY FEATURES

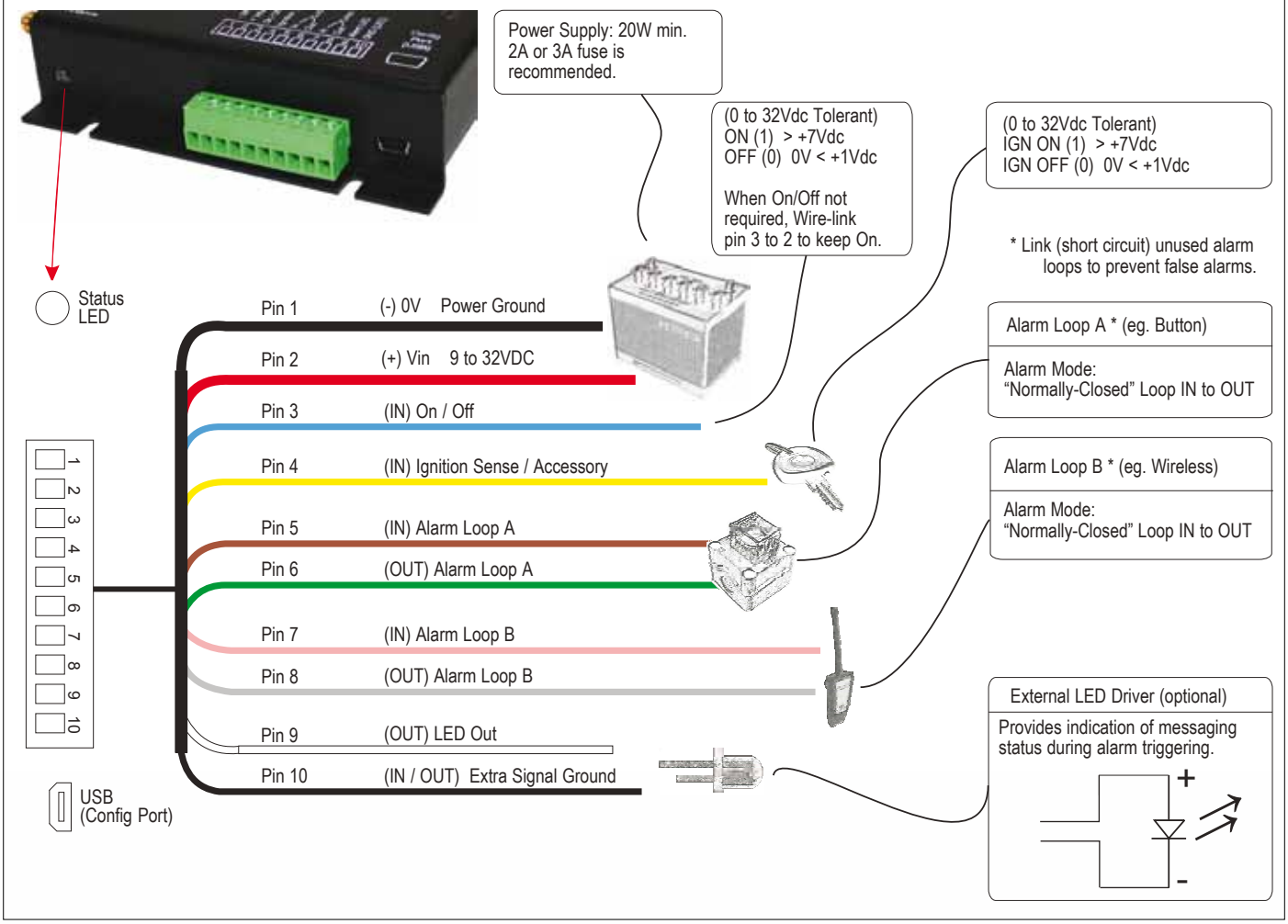
- In-built transceiver Iridium 9601 SBD module
- In-built GPS
- Global coverage
- Alert button loops x 2
- Power saving modes
- Supports Man Down device
- Support alert buttons
- 100% Global Coverage
- Fully Certified, Iridium, RoHS, CE
- Alarm acknowledgement configurable
- Analogue Input
- Digital IO
- Multiple alert notifications
- Support simultaneous tracking
- Simple Installation / configuration
- Local & remote configuration
- Sleep mode – low power usage
- Remote LED output (Alert)

SBD — Short Burst Data

Tracking

GPS

HFI CONNECTIONS



TECHNICAL SPECIFICATIONS

POWER SPECIFICATIONS		
Power input voltage	9 - 32VDC, 2A	
Idle (registered) Mode	1.5 W	
Transmit Mode	1.8W	
Sleep mode	20mA Current (0.02A)	
ENVIRONMENT SPECIFICATIONS		
Temperature	**Degrees °C**	**Degrees °F**
Operating Range	-30 to +70	-22 to +158
Storage	-35 to +85	-31 to +185
Humidity	85% non condensing	
Atmospheric Protection	Conformal Coating to Circuit Board	
I/O SPECIFICATION		
2x Alarm Loops	Alarm Mode	
(2 inputs and 2 outputs)	"Normally Cloesed" Loop IN to Out upto 500m ccable run / multi-buttons	
Ignition/Accessory Sense	(0 to 32V DC Tolerant)	
and ON/OFF inputs	High (1)> -7V DC Low (1) 0V < +1V DC	
GPS MODULE		
Receiver Type	16 Channel - antaris4 positioning L1	
Max Naviation update Rate	4Hz (default 1Hz)	
Accuracy	Position 2.5m CEP[2]	5.0m SEP[3]
Acquisition	Cold <41s / Warm <33s / Hot <3.5s	
Antenna Supply	3.3V DC	
Antenna connector	SMA Female Socket - 50 ohms	
Operational Limits	Altitude 18,000m	Velocity 515m/s

PHYSICAL SPECIFICATIONS	Unit Only	Packed
Dimensions - mm	114 x 104 x 26	335 x 228 x 69
Dimensions - inches	4.5 x 4.1 x 1.1	13.2 x 11.3 x 2.7
Weight - kg	0.3	1.0
Weight - lbs	0.66	2.2
CERTIFICATIONS		
CE		
C-Tick		
A- tick #N13271		
IEC60945:2002 (Sections 9 & 10)		
Fully RoHS compliant EU2002/95/EC (All 6 substances)		
Iridium Approved		
Safety - Low Voltage Directive - IEC/EN/AS/NZ 60950-1		
Flame Retardant - UL94.0		
KIT CONTENTS		
Main RST430 – IridiTRAK unit		
Main Power Loom		
USB Configuration Cable		
Installation & User manual		
Quick Start Guide		
ADDITIONAL INTERFACE		
USB Config port	5-Pin Mini-B Female socket	

ACCESSORIES

RST702	Mast / Pole Mount Antenna
RST703	Bulkhead Patch Antenna
RST704	Dual Mode Aero Patch (TSO approved) Antenna
RST705	Iridium / GPS Mag Mount Antenna

RST932	6m Iridium Antenna Cable
RST933	12m Iridium Antenna Cable
RST942	6m GPS Antenna Cable
RST923	12m GPS Antenna Cable