

SPARK

Small Pack Aerial Response Kit

The Airborne Systems SPARK system provides Search & Rescue personnel the ability to aerially deliver a first response packet to survivors awaiting rescue. Hand-launched from small aircraft, the system provides the basic necessities such as water, radio, first aid, etc. for survivors. Individual SPARK systems are intended for delivery of supplies to last 48 hours for 3 people, or 24 hours for 6 people.



Packed System

System Deployed

The SPARK System

The SPARK system can be launched from a variety of aircraft. The survival kit is enclosed in a bright package attached to a highly visible streamer which unfurls during descent. To further aid survivors in quickly locating and retrieving the kit, the system incorporates both a visual (strobe light) and audio (alarm) locating beacons. These are automatically activated during deployment.

SPARK was developed for land and water applications with built-in floatation on both the streamer and the survival kit. To allow for safe clearance from the aircraft, the system is specially packed to allow for a short delay before deployment of the streamer.

TECHNICAL DATA	
Approx. Rate of Descent :	45 ft / sec
Typical Kit Weight :	5-6 lbs
Deploy. Speed / Altitude :	80-100 kts / 300-1,000 ft AGL
Size :	13"W X 10"H X 4.5"D
ENVIRONMENTALLY TESTED	
Temperature :	-40° C / +30° C
Altitude :	30,000 ft
Humidity / Vibration tested	Yes

SAMPLE OF CONTENTS (May be customized)

- Drinking water
- Canteen
- Water purification tablets
- All-weather fire tinder
- Flint sparker
- Survival blankets
- Insect repellent
- Strobe Light
- Audio alarm
- FRS radio
- First aid kit
- Knife
- Food rations
- Whistle
- LED light
- 100 ft cord

ALSO AVAILABLE:

- Pilot and Dispatch Crew Training Systems

SPARK

ADVANTAGES OF THE SPARK SYSTEM

Ease of Deployment

The Airborne Systems Small Pack Aerial Response Kit system is a hand-launched kit. There is no static line or D-bag to worry about. Simply launch the kit upon approaching the target location.

Delayed Streamer Deployment

The delayed streamer deployment allows for the safe clearance of the packet from the aircraft. The streamer extends to full deployment after it has cleared the plane.

Automatic Strobe and Audio Alarm Activation

The strobe and audio alarm are activated automatically during the deployment of SPARK. This eliminates the distraction of manually activating the strobe and audio alarm inside the plane. The strobe and alarm help survivors locate the survival kit; it also assists SAR personnel locate the survivors.

Detachable Streamer

In the event of the kit being deployed into treed area or the streamer encountering other snag hazards, the streamer will detach from the rescue kit, allowing the kit to fall to the ground. This feature allows the survival kit to be retrieved on the ground by the survivors.

Detachable Vacuum Sealed Survival Kit for a 5-Year Shelf Life

This eliminates the need for yearly inspection and repacking of the kit contents. The sealed survival kit inside of SPARK can be stored for 5 years without maintenance, even under adverse conditions.

Well Equipped Survival Kit

The survival kit comes with all the basic needs including an FRS radio, food, water, canteen, water purification tablets, first aid kit, fire starter, flashlight, insect repellent, whistle, knife, 100 ft of cord and survival blankets. The survival kit can be modified to meet specific customer requirements.

Training Available

A training system is available which replicates the operational system in size, weight, and form. The training system allows for practice drops to train new personnel and improve accuracy. Training systems are clearly marked to eliminate confusion with the operational system.



KIT CONTAINS THE FOLLOWING:

- Streamer Assembly
- Strobe Light
- Survival Kit Assembly
- Audio Alarm
- Storage Bag

This data sheet is for information only and shall not form part of a contract

SPARK 082207

© 2008 Airborne Systems - All Rights Reserved