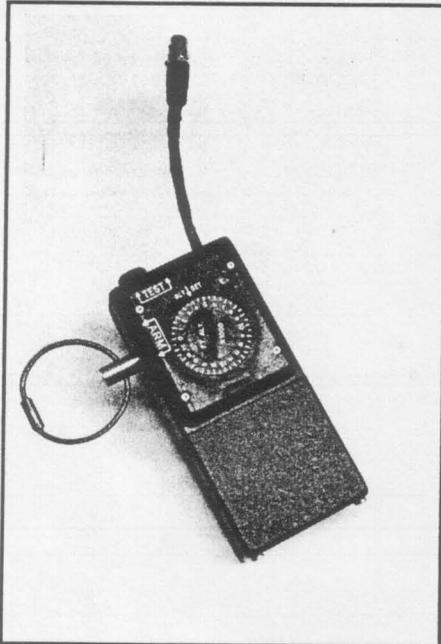


# AUTOMATIC ACTIVATION SYSTEMS

## The SSE Mk 2100 Automatic Activation Device



Sentinel Mk2100

The Mk2100 Automatic Activation System is designed to initiate the deployment of a main or reserve parachute in the event that the user descends through a preset altitude while still in freefall, or to activate the reserve in the event of a high speed malfunction or cutaway of the main parachute.

The system comprises of two parts, the altitude sensing device and the activation system.

**Mk2100 Altitude Sensing Device:** The Sensing unit contains altitude sensing, rate of descent sensing, self-testing and calibration facilities.

The Mk2100 ASD preset, or "trip", altitude may be adjusted from 0 to 19,500 ft MSL by the user. The rate at which the unit is set to activate is preset at the factory at a nominal 4000 ft/min. (Variations from this rate may be requested by the customer).

The dimensions of the device are nominally 4.5" x 2.1" x 1.3" with a weight of 12 oz. (excluding batteries).

The temperature range for Alkaline cells is +20° to +130° and for Ni-Cad cells is -20°F to +130° F.

**Activation Devices:** The Altitude Sensing Device is normally used in conjunction with the pin puller; however, it may also be used with other SSE activation devices such as the MARS (Mechanical Spring Release) utilizing the appropriate adapters.

SSE does not "sell" the Mk2100 for civilian applications; we will, however, License civilians to use the system.

Please call for further information on the Mk2100, the licensing plan, or other SSE Products.

## The SSE Mk2000 "Sentinel" Automatic Activation System

The Mk2000 "Sentinel" Automatic Activation System is designed to initiate the deployment of a reserve parachute in the event that the user descends through a preset altitude of 1000 feet AGL while still in freefall, and to activate the reserve in the event of a high speed malfunction or cutaway of the main parachute.

The system comprises of two parts, the altitude sensing device and the activation system.

**Mk2000 Altitude Sensing Device:** The Sensing unit contains altitude sensing, rate of descent sensing, self-testing and calibration facilities.

The rate at which the unit is set to activate is preset at the factory at a nominal 4000 ft/min. (Variations from this rate may be requested by the customer.)

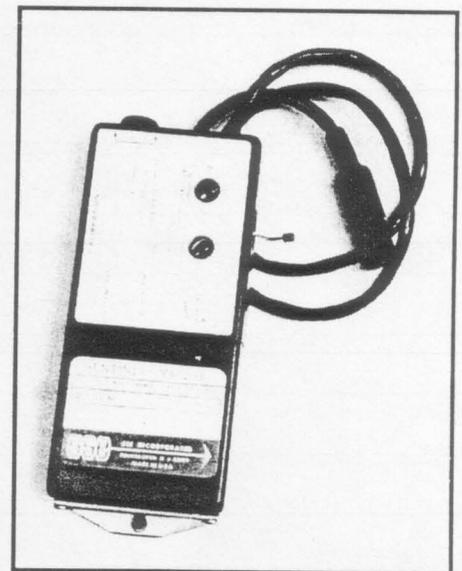
The dimensions of the device are nominally 4.5" x 2.1" x 1.3" with a weight of 12 oz (excluding batteries).

The temperature range for Alkaline cells is +20° to +130° and for Ni-Cad cells is -20° F to +130°F.

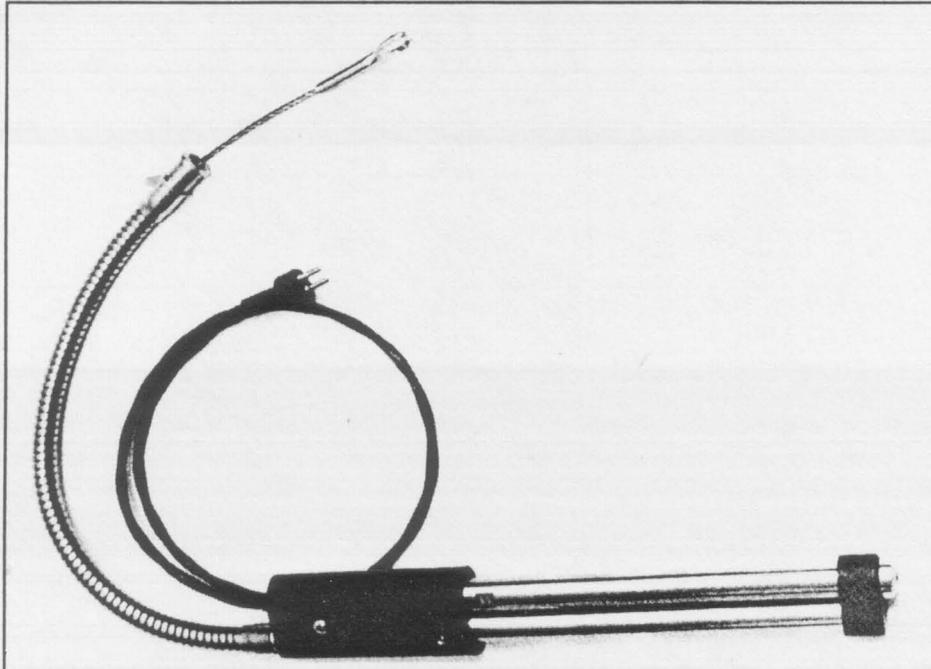
**Activation Devices:** The ASD is normally used in conjunction with the pin puller; however, it may also be used with other SSE activation devices such as the MARS (Mechanical Spring Release) utilizing the appropriate adapters.

SSE does not "sell" the Mk2000 Sentinel for civilian applications; we will, however, License civilians to use the system.

Please call for further information on the Mk2000 Sentinel, the licensing plan, or other SSE Products.



"Sentinel" Mk2000



SSE Pin-Puller

## The SSE "Pin-Puller" Activation Device

### PIN PULLER ASSEMBLY

The Pin Puller Assembly is a remote cable pin puller extraction assembly.

This unit is one option that will work in conjunction with the Sentinel Mk2000 or Sentinel Mk2100. The cartridge type and the connector type may vary depending upon the sensing unit used to activate the pin puller and the specific application. Please call for further clarification.

SSE recommends that the Pin-Puller cartridges are replaced at 12 month intervals.

Please call for further information on the Pin-Puller, the licensing plan, or other SSE Products.

## The SSE Micro-Puller Activation System

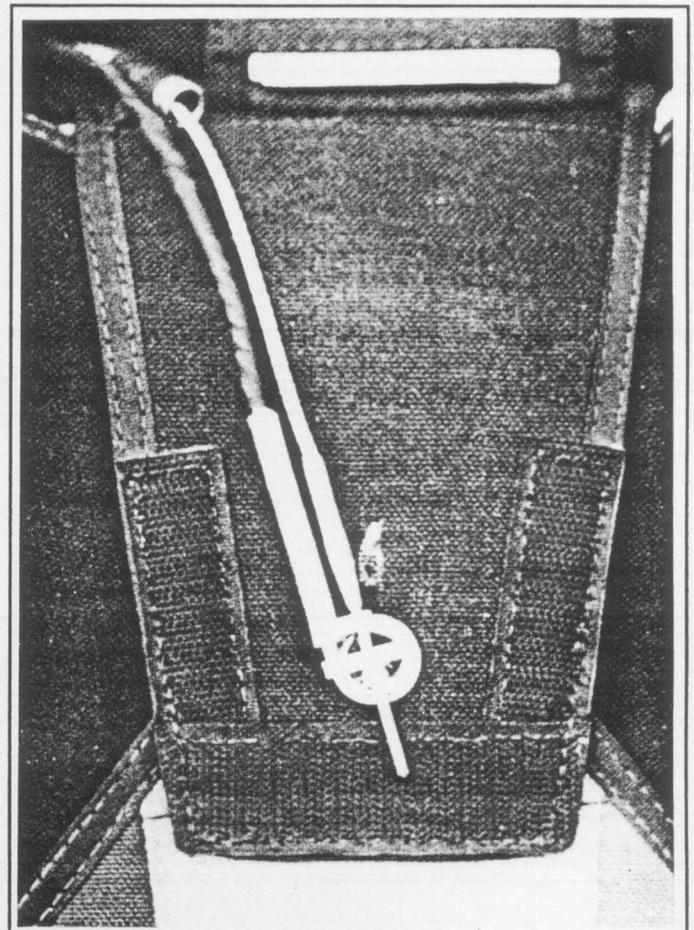
The Micro-Puller is a self contained activation system which puts the pull force where you need it - at the pin.

The Micro-Puller is simple to install and unobtrusive:

- 1 Pull the pin.
- 2 Slide the Micro-Puller onto the pin.
- 3 Put the pin back through the loop.
- 4 Connect the Micro-Puller to the Altitude Sensing Device.

The Micro-Puller has the following attributes:

- Initial extraction force is more than 100 lbs.
- The extraction force is aligned by the pin, eliminating problems of housing alignment.
- Installation time is less than 5 minutes
- Compatible with single and two pin systems, a Micro-Puller is used on each pin.
- No rig modifications required.
- Micro-Puller integrity and condition can be checked at a glance, the complete system is accessible.
- No interference with manual pull, RSL systems, or deployment sequence. The container opens exactly as designed.
- Fully compatible with the SSE Mk2000, Mk2100 and MARS FF-3 Altitude Sensing Devices.
- Replacement interval 10 Years (under normal conditions).
- 0.25" Diameter.
- Weight is 0.5 oz (including connector).
- The Micro-Puller is not considered a pyrotechnic device for storage, mailing etc.

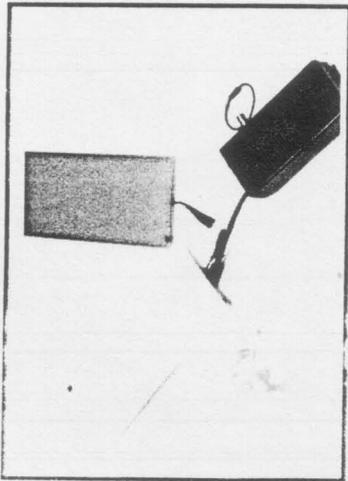


SSE Micro-Puller

## E. L. LIGHT SYSTEM

### EL LIGHT SYSTEM (Electro-luminescent Technology)

The EL Light System is a low power light system with flexible panels having a remote power source.



The panels are normally supplied in standard rectangular forms measuring 3 1/4" x 8". Alternate sizes and shapes with cutouts, notches and printing are available upon request. Standard colors supplied are red and green, however, white and blue are also available.

With exceptional longevity and sustainable brightness, resistance to shock and temperature fluctuation, together with low voltage requirements and ease of installation, these lamps are a most advanced light source for many applications.

Known applications: Canopy and container lighting, ground marker lights for equipment, temporary runway lights, and red night vision application.

Call us for more information. Our engineers are always ready to share our know-how with you.

For more than three decades SSE, Inc. has been continually designing, developing, manufacturing and marketing instruments required by parachutists and for special military applications. In the course of its long history, SSE, Inc., has developed and set the standards of automatic parachute systems design and related instrumentation for the industry. Our product line includes a family of altimeters, automatic parachute pack opening systems, and radio controlled aerial delivery systems in addition to field testing support equipment for our products.

SSE, Inc. products are accepted worldwide due to their rugged design, construction and exceptional reliability. Our instruments and related products have been selected for use by parachutists throughout the free world including all branches of the United States Armed Forces and the Military Forces of many NATO Countries.

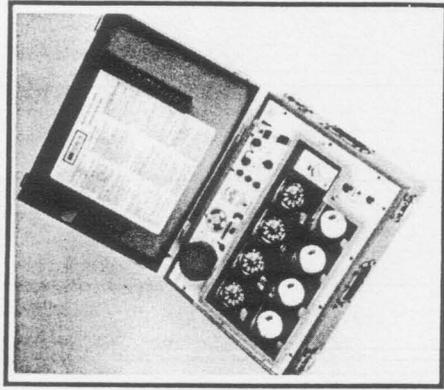
The product development team at SSE, Inc. has the reputation of being uniquely qualified to provide quick response to customer requirements. We Design, Create, and Manufacture advanced concepts and high quality products that incorporate the latest state-of-the-art technologies. We are constantly responsive to our customers requirements which enables SSE, Inc. to dedicate its efforts to develop the specific products needed for their applications.

SSE, Inc. will continue to be there — setting the industry standards for performance, innovative design, and reliability.

### SSE, Incorporated

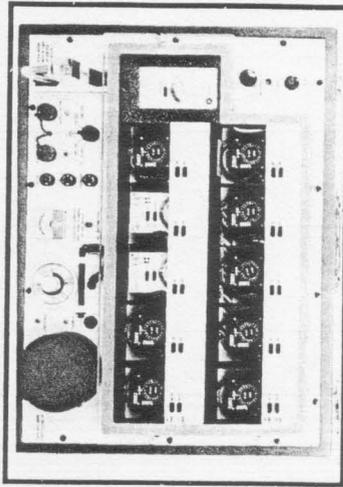
5801 Magnolia Avenue  
Pennsauken, New Jersey 08109 U.S.A.  
609-663-2234  
FAX: 609-663-5830

## TEST CHAMBER



### MUTC-3 Multiple Unit Test Chamber

The MUTC-3 is a semi-fixed or fully portable altitude test chamber, designed to test simultaneously up to eight MA2-30 type altimeters, ten Altmaster II type altimeters, or up to ten SSE Altitude Sensing Devices for AAD's. The chamber consists of a self contained digital altimeter accurate to 30,000 ft. with +100 ft. resolution; which can be referenced to AGL or MSL, a rate of descent meter, and two, five position LED readout assemblies which capture and display the altitude at which each unit under test, activated.



The battery charger portion of the MUTC-3 provides for an automatic discharge and charge cycle for up to (24) Ni-Cad batteries, with a built in after charge battery test circuit. The chamber can be operated from its internal 12 V dc power source, external 12 V dc, or 110/220 V ac 50/60 Hz. The unit's internal battery automatically self charges when in AC operation. Dimensions of the MUTC-3 are 24" length, 17.5" width, 8.5" height, and the weight is approximately 70 pounds.

SSE

