



SLS CYPRES 2



The CYPRES 2 Static Line System (SLS) is designed to initiate the reserve parachute activation of a low level, round canopy static line jumper who finds themselves in an emergency situation. If the main parachute does not slow down the jumper to a vertical speed of less than 13 meters per second, the CYPRES SLS is designed to activate the reserve parachute (a static line round main ought to decrease the vertical speed to significantly below 10 meters per second).

The SLS control unit shows only a white or red LED light, nothing else. The jumper has very little to do, apart from randomly monitoring the LED light if they want to. If it blinks white, everything is OK. If it blinks red, the jumper should tell the JM. If the jumper should be falling too fast, the SLS is designed to initiate their reserve parachute.

The CYPRES 2 Static Line System is a combination of:

- 1 CYPRES 2 SLS Aircraft Module
- 1 CYPRES 2 SLS Self-Test Module
- and multiple CYPRES 2 SLS units

CYPRES 2 SLS unit

For 1-pin Chest Reserve Container:

Part no: 4511000 NSN: 1670-12-394-3784

For 2-pin Chest Reserve Container:

Part no: 4512000 NSN: 1670-12-394-3789

Specifications SLS unit

Activation altitude	approx. 500 ft to 600 ft below jump aircraft
Activation speed	approx. > 13 m/s / 29 mph
Dimension of the processing unit	approx. 3 1/3 x 2 2/3 x 1 1/4 inch (85 x 43 x 32 mm)
Cable length of the display unit	approx. 25 inch (635 mm)
Cable length of the release unit.....	approx. 20 inch (500 mm)
Volume	approx. 8,9 cubic inch (146 cm ³)
Weight	approx. 4,66 ounces (165 grams)
Working temperature	+145° F to -25° F * (+ 63° to - 32° centigrade)
Waterproof.....	up to 24 hours down to a depth of 5 feet
Maximum allowable humidity.....	up to 99,9 % rel. humidity
Operating range below / above sea level	-2100 feet to +65500 feet (-650 m to +20000 m)
Maintenance cycle.....	4 and 8 years from date of manufacture +/- 6 months
Total Lifetime	12,5 years from date of manufacture
Total Warranty Time	12,5 years from date of manufacture



SLS unit

SLS unit mounted in chest reserve

as of 10-2014, subject to change without notice

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HANDLING

The jumper equipped with a CYPRES 2 SLS unit inside their reserve has no additional procedures to carry out. They don't need to switch it on or have any knowledge of the manual and there is no additional training required. In fact, their jump will be the same as a static line jump without a CYPRES SLS.

The only difference is for the jumpmaster. He has to switch on the CYPRES SLS Aircraft Module which is at a defined location inside the jump aircraft, at least one minute before dropping.

After the CYPRES SLS unit gets into contact with the switched on CYPRES SLS Aircraft Module, it goes into 'working mode'. To demonstrate this, it blinks in white intervals of two seconds. If there should be any kind of problem, it will blink in red intervals of two seconds.

If the parachutist descends with more than 13 meters per second, the CYPRES SLS should initiate the opening of his reserve parachute.

That's the whole story.



SLS Aircraft Module

working frequency433 MHz
output.....1 Milliwatt (0 dBm)
weight approx, 7 lbs (3,5 kg)
on / off..... switch at the module and
..... on a cable connected control unit
suitable for all kinds of jump aircraft
transportable.. in a camouflage nylon container

Part no: 4530000NSN: 1670-12-394-3793



The SLS Self-Test Module

This is a device, only for the store people. It allows them, whenever they want, to check all their CYPRES SLS units by getting the units to execute a self-test.

Just one click on the black push button triggers their SLS Units to execute a self-test. Every unit will count down the typical 10 CYPRES self-test digits by blinking white, 10 times.

After the self-test is completed, every SLS Unit blinks white at 5 seconds intervals, indicating the successful self-test. The SLS CYPRES will blink white in the 5 second interval for the typical CYPRES 14 hours. After that it changes back to the 2 minutes white blinking interval.

If the SLS Unit detects a problem, it will, at the end of the self-test, light the red LED permanently for 3 minutes and thereafter, blink in red intervals instead of the white intervals. The red blinking can only be eliminated by repair, or if the reason for the red blinking is resolved, by the next selftest.

The self-test procedure can be repeated as often as wanted without causing a problem.

In practice: The store manager can trigger a self-test of their CYPRES SLS units early in the morning of a jumping day in their store. All reserves blinking white are good to give out for use. If a SLS unit should blink red, he should not give it out but proceed it for a check.



Self-Test Module
Part no: 4520000 NSN: 1670-12-394-3791

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