

Military CYPRES-2 family



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The Military CYPRES-2 family is the next generation of the Military CYPRES line of parachute AADs (Automatic Activation Devices), combining tried and true quality, reliability, and core technology with an advanced hardware platform. Enhancements include:

- Water-resistant: fresh or salt-water (*field-replaceable filter*)
- Maintenance-free power supply: no need for user record keeping, purchase, or replacement
- Device serial number accessible from the external display
- Maintenance due date accessible from external display - automatic reminder of next maintenance
- Robust, reinforced case: small size, light weight
- Flexible maintenance schedule: +/- 6 months from month of manufacture
- Fast (10 second) comprehensive system self-test during switch-on / adjustment procedure

Parameters proven by more than 12 years experience in 42 Countries remain the same with Military CYPRES-2:

- Adapted to all military operational requirements and tactical applications, as well as training scenarios
- Simple, 1-button user interface, accessible by jumper (mounted on front of right or left lift web)
- Container closing loop and loop cutting system: independent of ripcord pin(s), cutter(s) field replaceable
- Standard and Custom setting versions available *(US patent #4858856)*
- Processing Unit and Cutter(s) located & protected inside reserve container, Control Unit accessible externally
- Self-test: complete functional test with good-to-go indication - performed during switch-on and setting
- Automatic switch-off after 14 hours
- Low maintenance cost and down-time: No in-field chamber testing (calibration verifiable during self-test)
- U.S. and Europe based Service and Support
- Training seminars / classes, PC-based training tools, web-based documentation and tools
- Setting tools (to compensate for weather conditions): Circular calculator, PC-based, web-based, PDA-based
- Container installation setup kits provided (for existing parachutes) - factory installed in new parachutes
- Simple, easy-to-identify, descriptive nomenclature to identify default settings (on external control unit)
- Standard off-the-shelf, and Custom default activation altitude and activation speed settings available
- Dual operating modes take into account all the different needs and applications required by Military users:
 1. 'Training' mode is ideal for use on the local dropzone. While in Training mode, Military CYPRES-2 works with the simplicity ("set it and forget it"), and ease of operation of the sport model CYPRES family:
 - No calibration necessary
 - Automatic weather adjustment without user interaction
 - No pre-jump check required
 - No need to switch off after landing / switch on prior to next jump
 2. For tactical applications and remote jumps, the Military CYPRES is used in 'Operational' mode, so that all limitations of 'Training' mode (and sport CYPRES units) are overcome. Any dropzone or activation altitude can be programmed, while on the ground or in-flight - even in a pressurized cabin.
 - Adaptive activation velocity (increases with altitude, based on terminal velocity)
 - Simple adjustment method - set to actual pressure at DZ (mbar pressure altitude)
 - Always armed, no flight restrictions, set anywhere / any time prior to jump

| | Activation | | SSK Part Numbers (<i>std versions</i>) | | |
|------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|--------------------------------------------------------------|--------------|-------------------------------------------|
| | Altitude | Speed (at sea level) | 1-pin | 2-pin | |
| T e c h n i c a l | 1000 ft / 300 m | 78 mph / 35 m/s | AAD2C1M1035A | AAD2C2M1035A | T e c h n i c a l |
| | 1500 ft / 450 m | 78 mph / 35 m/s | AAD2C1M1535A | AAD2C2M1535A | |
| | 1900 ft / 580 m | 78 mph / 35 m/s | AAD2C1M1935A | AAD2C2M1935A | |
| | 2500 ft / 750 m | 65 mph / 29 m/s | AAD2C1M2529A | AAD2C2M2529A | |
| D a t a | Operating range above sea level | | -1600 ft to +65,500 ft | | D a t a |
| | Drop zone altitude adjustment range | | 1075 mbar to 300 mbar (-1600 ft to +30,000 ft) | | |
| | Power Supply life | | 4 years (taken care of during maintenance) | | |
| | Reliability / Confidence rating** | | greater than 99.5 / 94.2 (activation and non activation) | | |
| | Overall System Accuracy (while jumping)** | | better than +/- 500 ft to 15,000 ft, +/- 750 ft to 25,000 ft | | |
| Maintenance | | 4 and 8 years after DOM (+/- 6 months) | | | |
| Lifetime | | 12.5 years from DOM | | | |
| Water-resistant | | 30 minutes / 5 meters (0.5 ATM) with standard filter | | | |
| Processing unit (internal) temperature* | | -32° to +63° centigrade (-25F to +145F) | | | |
| *Inside packed parachute container - outside (ambient) temperature limits significantly higher | | | | | |
| ** as determined by 2003 U.S. Army / Navy test programs. | | | | | |



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