

CDES

Secret element duplication center

The CDES is aimed at duplicating, quickly, the information of a source unit to 8 identical units. The portable unit is composed of a watertight box and a mobile keyboard/screen.

This tactical military equipment was designed to resist to the most harsh operational conditions of a control unit.

- temperature from -20° C to +70° C
- watertight, shock and vibration proof, compliant with standards GAM EG 13 and MIL 810-D
- EMP, EML, Tempest.

▪ **The digital computing power** (μ microcontroller 68 HC11 and 3 microprocessors 68000) loads 8 units with initialization of data in 4 minutes

▪ **The man-machine interface**

- A backlighted keyboard with numerical pad and function keys
- a lighted liquid crystal display for night work: the resolution is 256 x 128 pixels with a display capacity of sixteen 42-character lines
- protected key for erasing of all the 9 connected units

▪ **Equipment optimized for nine loading decks**

▪ **Advanced transfer protocol**

▪ **Power supply:** Several possible power supply sources:

- 24 VDC (10/32 V)
- 110/220 V 50/60/400 Hz

▪ Power consumption from 1 to 3 A at 24 V, according to configuration

The CDES code and frequency duplication system is the unit that copies and assigns to all the users the code and frequency generated by the code and frequency administration system.

The unit copies the content of a deck to 8 other decks.



Key features

Dedicated to quick duplication of the information of a source unit to 8 identical units

Designed to resist to the most harsh operational conditions of a control unit

Computing digital power

Equipment optimized for nine loading decks

Advanced transfer protocol

Several possible power supply sources



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Electronics for Harsh Environments