



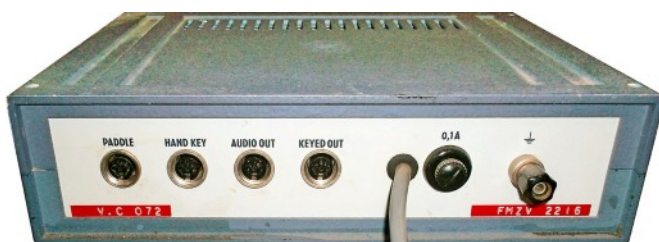
Elbug AK 1 Country of origin: Czechoslovakia

DATA SUMMARY

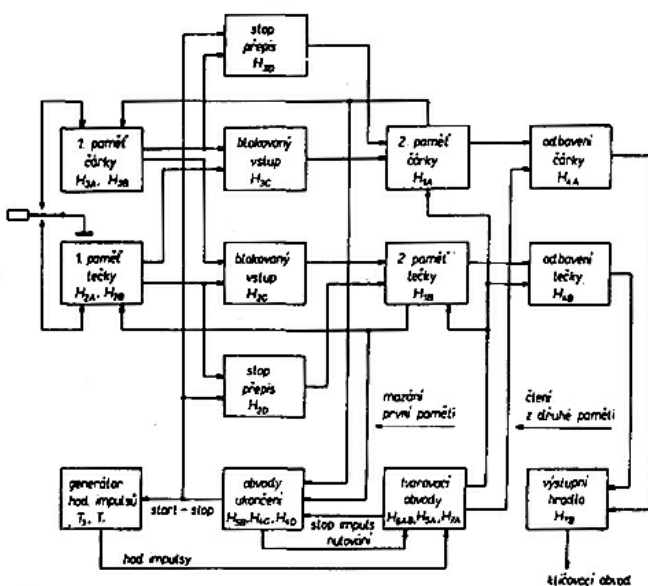
Organisation: Czech Interior Ministry and Ministry of Foreign Affairs.
Design/Manufacturer: Probably FMZV (Ministry of Foreign Affairs).
Year of Introduction: Mid 1970's.
Purpose: Automatic Morse key.
Semiconductors: TTL integrated circuits produced by Tesla.
Power Supply: 220V AC mains.
Size (cm): Height 9, length 22/25, width 30, weight 1.4kg.

REMARKS

The AK 1 (Automatic Key 1) was an electronic automatic Morse key, also known as 'elbug', replacing the 'MV' elbug (See Chapter 62) in about 1975. It was probably developed and produced by the Ministry of Foreign Affairs, considering the (Dymo Label) text FMZV 22/6 (Federal Department of Foreign Affairs) at the rear of the unit. The AK 1 was used by the Interior Ministry and the Ministry of Foreign Affairs (Diplomatic Service) until communication in Morse was replaced by other systems. As opposed to the 'MV', the AK 1 required the use of an external paddle and a manual Morse key. Noted were two versions, the AK 1 in this chapter was the initial version. The text on the front and rear panel of the AK 1 was in English. It was never sold commercially, though it was described in a Czech amateur radio journal.



Rear panel view of the AK 1. Note the English text.



Block diagram of AK 1 elbug.



Interior view of AK 1 showing the use of a single circuit board.

References:

- Photographs taken from the AK 1 elbug in his collection, scan of block diagram and all information courtesy Miro Hornik, OM3CU, Slovak Republic.
- See also Miro's website: www.om3cu.sk