

4AP FUZE

4 ACTIONS PLUS, PROGRAMMABLE FUZE

ELECTRONICS DIVISION



The 4 Actions Plus, multi-function programmable fuze (4AP) is an advanced electronic fuze optimised to provide very high performance and reliability at a low cost.

It can be programmed either in the gun or via a portable fuze setter, with the following main functions:

- › Target proximity
- › Height of burst
- › Time
- › Point detonation
- › Delayed point detonation

The fuze can also be fired in default 'Automatic Mode'. In this mode, the fuze performs both target proximity and height of burst functions - Point Detonation function is always active as back-up, except for delayed impact mode. Proximity and height of burst algorithms assure optimal detonation instant and ECCM capability.

The fuze is safe according to STANAG 4187. Safety and arming of the device is a mechanical process with an interrupted explosive train. It includes two independent safety features based on two different stimuli that can only happen after the projectile has been physically fired (set-back acceleration and in-flight spin).

The external layout of the 4AP fuze is the standard profile defined in STANAG 2916 Ed.2, § A-1. This allows the fuze to be fitted on munitions of different calibres with standard cavity and thread.

For ammunition having a bigger cavity, it is possible the use of mechanical and pyric adaptors.

TECHNICAL SPECIFICATION

GENERAL

- › Fuze technology Electronic fuze with microwave RF sensor
- › SAD type Interrupted Explosive Train
- › Booster type Insensitive PBX
- › Programmability Programmable in gun, by means of two electrical contacts
- › Power supply Reserve battery, activated at firing
- › Fuze Physical data

PHYSICAL

- › Weight 900g (TBC)
- › Overall length 151.6mm
- › Maximum diameter 61mm
- › Thread 2-12 UN

FUNCTIONAL

- › Modes
 - › Target Proximity
 - › Height of Burst
 - › Time
 - › Point Detonation (always active as back-up)
 - › Delayed Point Detonation
 - › Automatic (Target Proximity + Height of Burst)
- › Suggested default mode Automatic, modifiable on customer request
- › Lifespan 10 years
- › Maintainability No maintenance requested during lifespan



Proximity mode

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MM08878 11-19