

# 4AP FUZE

## 4 Actions Plus, Programmable Fuze

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 SPECIFICATIONS

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	151.6 mm
	Maximum diameter	61 mm
	Thread	2-12 UN
FUNCTIONAL	Modes	<ul style="list-style-type: none"><li>• Target Proximity</li><li>• Height of Burst</li><li>• Time</li><li>• Point Detonation (always active as back-up)</li><li>• Delayed Point Detonation</li><li>• Automatic (Target Proximity + Height of Burst)</li></ul>
	Suggested default	Automatic, modifiable on customer mode request
	Lifespan	10 years
	Maintainability	No maintenance requested during lifespan



→ Proximity mode

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